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and paid for their lands and have started on the road to riches and success in their calling on one acre of ground.

An illustration of what can be done in gardening under glass is found in the garden district of Irondequoit, N. Y. As a grower of vegetables the year round, this town has gained a national reputation. It has more greenhouses and more square feet of glass covering vegetable plants than any other town of equal size in the state.

Twenty years ago a gardener, bolder than his neighbors, conceived the idea of growing vegetables out of season. He erected a hot house. His first efforts were hardly successful, but he was determined and stuck to it. It was not long before his patience was rewarded. When his neighbors saw how profitable it was they, too, built hot houses. Then came the greenhouses of different sizes which are scattered over the township of 20,000 acres. There are the houses, the earth of which is spaded by hand, and those ploughed with a horse. In the heating of the houses hot water is used and soft coal as fuel. Hail storms have no terrors because the houses are built of double thick glass and it withstands the heaviest weather.

A few years ago the houses were built with heavy wooden rafters and purlins, and with sash bars eight or ten inches apart, thus greatly obstructing the rays of the sun, which are so vitally necessary to the perfect development of the plants. But improvements have been made, until today they are using iron rafters one half by three inches, with steel angle purlins and narrow wooden glazing bars spaced for glass sixteen inches wide, thus allowing an almost unobstructed passage of the sun's rays. Posts, column, gutters and sills are also of iron, thus adding to the durability and strength of the structure. The average size of the houses is 200 feet long and thirty feet wide. The cost is about \$1,500.

The crops raised are lettuce, radishes, cucumbers, tomaloes, parsley, watercress, onions, pieplant, carrots, beets and other truck in small quantities. Perhaps the hea

bers and tomatoes.

bers and tomatoes.

The work of growing cucumbers is interesting. In their cultivation a good deal of manure is required for the soil to create fermentation and greater heat. It requires more coal for this crop than it does for lettuce. During the day the temperature is kept at 90 degrees and at night is never allowed to slip below 75 degrees. Plants are placed along the sides of the houses and the entire length of the center of the middle beds, thus leaving walks along each side. Small stakes are stuck into the dirt midway between

two vines, and from these stakes wires and strings are run to the roof of the houses. Upon these climbers the vines are trained, and in nine or ten weeks form a spreading canopy of green leaves. In color the cucumbers are a dark green with a slight tint of yellow, and the average length is about twelve inches. The thought of "cumbers" usually brings to eye the idea of vines creeping on the earth but in this case they are trained to go up. Every day the men must go through the houses and with string tie up the "refractory locks" and cut out large leaves. When the vines have attained a good growth, the main vine is stripped of leaves from the earth to the tip of the greenhouse. It makes a sorry sight and one not used to it would wonder what the one and a half and two inch stakes at regular distances are doing in the green house, because they do not seem to have any relation to the hardy and profuse growth of vines overhead. The prices of cucumbers vary: in winter they sell as high as \$3.00 a dozen and sometimes even higher, but as summer approaches the price declines.

The growing of good lettuce can only be attained through long and careful practice. The season is from August until May. Take a space about two feet long by a foot and a half wide, and it will sell from fifty cents to one dollar's worth of lettuce. That space contains a dozen lettuce heads eight inches apart. If sturdy plants are used, every one makes a head. The preparation of the houses counts much for the success of the crop. August first, the soil is wet down and dug over; then the plants, which have previously been grown in a hot-bed or along one end of the greenhouse, are transplanted. For three days after transplanting the ground is kept very moist and at a temperature of eighty or ninty degrees. After this the houses are not kept so warm. One of the principal factors in the care of lettuce is the fumigating for plant lice, tobacco stems and water being used.

Could our great granddaddies who thought tomatoes poisonous, and our great grandmo two vines, and from these stakes wires and strings are

Could our great granddaddies who thought tomatoes poisonous, and our great grandmothers who grew them as ornamental plants in window pots under the attractive name of "love apples," come back and realize that more than thirty million bushels of the pretty poisonous vegetables are eaten as a common and healthful food, they would surely realize that time works wonderful changes. Tomatoes have been grown under glass and so successfully that the industry bids fair to gain precedence over other greenhouse crops. This is mainly for the reason that the prices which can be realized will return a fair profit. In preparing the greenhouse, the aim is to schedule the first picking to come as soon as the frost has cleared up the outdoor crop, and by rotation in the several houses the season lasts well into March.

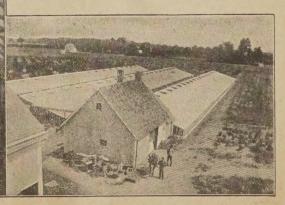
The practical gardener has studied out the characteristics of good forcing variety, and he finds that a slow,

stocky growth, healthy, but not heavy foliage, are required. The size and shape of the fruit are also important. Winter tomatoes are high priced, but hardly rank as a luxury. They sell for twenty to forty cents per pound. Six pounds per plant is the average and about 700 plants in a green house. The average price is fifteen cents per pound. The green house tomato requires an abundance of water. Mulching with straw manure accomplishes much for the tomato, because it holds the moisture and heats the soil. In training the tomato vines in the houses, a wire is run along the rafters, fastened to them by screw-eyes, and extends directly over the rows, the length of the house. With the cork-screw wires in place near the plants and the one stretched overhead, the matter of training is simple. Coarse twine is used for supports, and the plant is fastened to it with raffia.

Specialization, if the gardener owns two or three greenhouses, offers opportunities for growing crops of the highest quality and for competing in the market for the very best prices. The general or mixed crops gardener, or one who has been trained in the growing of a number of crops, frequently fails when he attempts to specialize because he knows too much about too many things to make a good specialist.

Greenhouse gardens have their failings. The yellows affect the tomatoes, due to heavy watering, following a period of rapid growth, accompanied by cloudy weather. The lettuce becomes moldy and "damps off" if the soil condition is not conducive to its growth. The cucumbers are also affected with blight at times. This work of "gardening under glass" involves much time and the sacrifice of thousands of plants before the would-be specialist becomes a competent grower of fancy truck. When this is accomplished, the specialist is able to produce crops weeks and months before they could arrive at maturity through natural growth. In addition, the crops are made to develop far more rapidly and attain proportions such as nature could not accomplished the fact t





Farmhouse at Irondequoit

Boston Head Lettuce

Greenhouse Farm

BUELL HAMPTON

A Powerful Tale of the Great Southwest with Love, Surprises and a Mystery

By WILLIS GEORGE EMERSON

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SYNOPSIS OF PRECEDING CHAPTERS

[This story was commenced in the November number. The following is the synopsis of preceding chapters:

Mrs. J. Bruce-Horton, wife of a cattle baron and Mrs. Lyman Osborn. wife of a banker, whose homes were at Meade. Kansas. were at Lake. This story was commenced in the November number. The following is the synopsis of preceding chapters:

Mrs. J. Bruce-Horton, wife of a cattle baron and Mrs. Lyman Osborn. wife of a banker, whose homes were at Meade, Kansas, were at Lake Geneva, a fashionable resort near Chicago. They had been to England to accompany home Ethel, the daughter of Mrs. Horton, who had spent four years in a London school. Being taken ill in Chicago, Mrs. Horton had called Dr. Redfield, who advised this rest at Lake Geneva, where he had been in daily attendance. Ethel and Redfield had been mutually attracted, and he had declared his love. This was reciprocated, though Ethel had given no pledge, expressing a desire to talk with her father first. This was all unknown to the mother. Mrs. Horton was determined her daughter should marry a foreign title, and had been delighted to find that Lady Avondale of England, and her son, Dr. Lenox Avondale, were stopping at the same hotel. Dr. Avondale had good prospects of becoming Lori Avondale, but the estates son, Dr. Lenox Avondale, were stopping at the same hotel. Dr. Avondale for the purpose of finding some American heiress for his wife. Mrs. Horton had made known the prospects of her daughter in regard to money, and the mothers without definite agreement, had come to a good understanding. But Dr. Redfield declared his love, and was bidden to hope. Ethel's mother took alarmat the signs of an attachment between the young American dector and her daughter, and started for Mende, their home, a typical western town. Curlously enough just a few days later Hyuah Stanton, the most intimate friend of Dr. Redfield, also arrived in Meade where he entered into business relations with Mende, their home, a typical western town. Curlously enough just a few days later Hyuah Stanton, the most intimate friend of Dr. Redfield, also arrived in Meade where he entered into business relations with his political views, claiming himself a "Reformist." It also appears that he is the leader of a secret organization cal

CHAPTER VII

THE CATTLE KING

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THE CATTLE KING

UGH STANTON had now been in Meade about a month, and was well pleased with his new position. Money poured in from the East for investment, and seemed as free as water among the people. Deposits continually increased in the bank, while the ruling rates of interest were very high. Investments were quickly turned and immense dividends declared and sent on to the Eastern capitalists, who in turn became intoxicated with the desire for more of these large profits, and consequently sent back their money for reinvestment. Not content with this, they borrowed to the full extent of their credit, at a low rate of interest, and sent on the funds for Western investment and speculation. Barley, wheat, and other cereals yielded enormously, and lands that had been purchased from the government at a dollar and a quarter per acre clanged lands—within a year—at from thirty to forty dollars per acre in favored localities. Real estate in Meale that had cost original purchasers from fifty to one hundred dollars per lot sold readily at from one thousand to five thousand dollars each.

During all the progress and prosperity there was one class—the cattlemen—who were firm disbelievers in the agricultural permanency of the Southwest. Prominent among these disbelievers was John B. Horton, the cattle king. Major Hampton said, in the columns of the Patriot, that the cattle barons wanted these rich, nutritions buffalo grass lands, for their vast herds of cattle, and that in their selfishness they were willing to prevent their settlement by the actual tiliers of the soil.

One afternoon Hugh went horseback riding down the Crooked Creek valley. He was exploring territory new to him, and presently he came to the banks of the Manaroya, a beautiful stream that had its rise in Horton's Grove, The cool, refreshing waters in their flight from the guidence and was standing idly at its brink watching the restless, rippling waters in their flight from the guidence and was standing idly at its brink watching the restless,

Here, in this tranquil pool, nature had fashioned, with her magic brush, a picture framed about with countless wild flowers. In this realistic dream every fluttering leaf on every limb and branch trembled in rhythm. Here the shadows sifted, the sunbeams danced, the birds flew. Here the butterflies floated lazily in holiday attire, as if on wings of pleasure. Here the gaudy-winged "snake feeder" skipped from side to side, across the waters, as if he were abroad in search of trade and barter.

Again, this embryonic lake was a mirror for sky and cloud—for each nodding flower and grass blade that craned its little neck, in vanity, over the margin, that it, too, might see itself reflected in this looking-glass of nature. Higher than Jacob's Ladder appeared the bending sky and floating clouds, and yet, inverted, they seemed deeper than lie buried the broken images of a life.

Suddenly Hugh's reverie was broken in upon by the calling of a brusque "Hello, there, pardner! Are you looking for mavericks?" Hugh found himself face to face with a rather heavy-set man, with a full gray beard and soft dark eyes. The stranger had dismounted from his mustang, and

Major Buell Hampton

stood eyeing Hugh critically from the opposite bank.

"I have lost no mavericks, that I know of," replied Hugh, stiffly. "May I ask what you are doing and what you are looking for?"

"I am attending to my own affairs," replied the man. "I am on my own land, which, perhaps, is more than you can say for yourself."

"I may not be on my own land," answered Hugh, half angrily, "but I am attending to my own business. Am I breaking any law by taking a gallop across the valley, or resting by this stream of water?"

The stranger laughed good-naturedly at Hugh's irritation. "Hot blood of youth," said he; "come, don't be so touchy. There's only a small thing between us—a narrow stream of spring water. You look like a manly fellow, and I suppose you are all right, although you are a stranger to me."

many feriow, and I suppose you are all right, although you are a stranger to me."

"I am a resident of Meade," said Hugh, "and the cashier of one of its banks,"

"Is that so?" asked the man, in surprise. "You are Mr. Stanton, I reckon, Captain Osborn's friend from Chicago,"

"Exactly," replied Hugh. "May I inquire your name?"

The stranger threw himself again into his saddle, touched spurs to his horse, and, at a single leap,

cleared the brook. Dismounting at Hugh's side said, "My name is Horton. My home is about a set from here, in Horton's Grove."

Hugh's breath was almost taken away. Here before him stood the great cattle king, John B. Hortou, whose estimated wealth was ten milliom dollars; and yet a man as free from affectation as a cowboy.

"Give us your hand, young man," said he. "It is well that we should be acquainted. I have been intending to come in and see yon, but am kept so exceedingly busy, looking after my cattle, that I have but little time for social matters. Through the machinations of a band of cattle thieves, during the last year I have lost over a thousand head of beeves that were ready for the market."

"Why, that is a terrible loss, Mr. Horton," observed Hugh. "Is it not possible to catch the thieves?"

"Easier said than done, young man," replied the cattle baron. "I wouldn't care much for the thirty or forty thousand dollars' worth of cattle they have already taken, if I could only break up the gang. However, I do not wish to bore you with a ranchman's troubles. How do you like our country?"

"Oh, very much," replied Hugh. "I am well pleased with it so far. It seems to be settled with a thrifty class of farmers, and their crops are certainly looking well."

John Horton laughed derisively. "Farmers!" he ejaculated. "Why, young man, in five years there will not be a so-called farmer within one hundred miles of where you are now standing. The influx of self-styled settlers and farmers is a spasmodic farce, transitory in the extreme. You doubtless regard Meade as a growing, healthy town: yet, within five years from to-day, I shall pasture my cattle on the grass that will be growing in her streets,"

"You astonish me," said Hugh, "With such a calamity confronting us there can be left but little hope."

"I am aware," said John Horton, "that Captain Osborn has a different belief. My old friend, Major Buell Hampton, also takes occasion to brand me as a 'cattle baron' in the columns of his paper. Nevertheless, Mr. Sta

day, 'said Hugh, that the cathe threves had just stolen two hundred head of your fattest cattle.''

"Yes, that is the latest outrage; but they have been stealing my cattle for the last year. Before the settlers came here we had no cattle thieves to speak of in this country. Major Hampton is a true Southerner, and is doing his utmost to run dcwn the thieves. I contend that the thieves are none other than the so-called farmers. The major, however, insists that the gang is made up of lawless cowboys.''

"The major seemed very much provoked when he heard of the theft,'' said Hugh, 'and from the article that appeared in the Patriot the following morning, I imagine that he would be a very severe judge.''

"The major's personal assistance and the influence of his paper are both on the side of law and order,'' replied Mr. Horton. "I have no doubt that sooner or later we shall be successful in running down the thieves.''

The cattle king removed his sombrero, and leaning against his horse, fanned himself with its broad brim, as he continued:

as he continued:

"The major is a little weak up here," tapping his forehead, "or else I am when it comes to the up "or of politics. I served in a Georgia regiment that he hast years of the war, and fought for the cause that was lost. When the war was over, I accepted the conditions of our surrender by respecting the stars and stripes, and have voted a straight Democratic ticket without a scratch ever since. I cannot understand how the major could give up his democracy for populistic doctrines. However, he is withal a noble tellow."

As the cattle king bared his head, Hugh noticed that it was quite baid, and that it had a great red scar near the crown.

"It is very gratifying," said Hugh, with his eyes on the scar, "to see those who fought for the lost cause and those who fought to subdue the rebellion living here, side by side, in peace."

(Continued on page 29)

A Fishing Episode

By Mary L. Dann

Conclusion

S JACOB and Liza neared the shore, the column seemed to widen and grow darker. "I wonder if that fire's a spreadin'," said Jacob, as he rowed still faster. "Perhaps it wasn't wise to build a fire an' leave it, this dry weather," replied Liza. Evidently Jacob had thought of something, for he rowed tremendously and the veins stood out on his forehead and the perspiration streamed down his face. As they came up to the shore, he leaped from the boat, threw the chain over the stake and, scrambling up the

As they came up to the shore, he leaped from the boat, threw the chain over the stake and, scrambling up the bank, started for the fire.

"You stay there 'til I come an' git ye out," he called back to Liza.

As Liza sat in the boat, she could not see Jacob, but she could see the smoke, and soon he appeared running toward her, brandishing what appeared to be a burning garment of some sort. First he would swing it high in air, then he would bring it down upon the ground as he would wield a club in killing a rattlesnake. This was too much for Liza. She crawled upon her hands and knees the length of the boat and climbed out upon the bank.

her hands and knees the length of the boat and climbed out upon the bank.

"Gemini gee, Liza, ef I haint gone and the only decent coat I got in the world!"

He still waved the garment above his head as if to shake away the last clinging spark.

'An' that vest," he continued, "is all burned up but the armholes. Now wouldn't you hev thought that spark could hev found some other place in this big worl' to hev lit than on top of my clothes. I really don't know what I shall do without 'em."

I really don't know what I shall do without 'em.'

A tear trickled down Liza's cheek, as she realized that the best of Jacob's scanty wardrobe was in ashes. Her lips trembled, but she spoke up sharply to conceal her emotion, for she didn't want to add to Jacob's burden of remorse and dismay.

"Well, ef you hed taken yer clothes a reasonable distance out inter the wide world away from the fire, ye wouldn't now be lamentin' over a heap of ashes. But since it's done, ye might as well let it go an' look after other things or we'll hev another burnt offerin' in the potato kittle."

This spirited remark roused Jacob to action. He laid the charred remnants of his coat tenderly on the ground and viewed them a moment ruefully, then hurried over to inspect the potatoes.

Liza, believing there is always relief in action, commenced at once to preare the dinner, then started Jacob to clean the fish, which he accomplished in a renarkably short time. The kettle being lemoved, the frying pan was placed over the coals and soon the fish was done to a turn. Liza spread the contents of the basket upon the clean, though patched, tablecloth she had provided, and they sat down in the shade of a great maple to eat. Not even the loss of clothing by fire was a sufficient calamity to take away the appetites bred of the long drive, and they ate with a heartiness surprising to themselves.

There was a far away look in Liza's eyes as she said, "Some way, when we was a fishin' out there, it came to me that the Bible says, 'The earth is the Lord's an' the fullness thereof,' an' if it is, don't ye think he'll give us what we really need?"

"Yes," said Jacob, "I hev believed that right along until lately, when it does seem that we're a gittin' less an' less of the fullness, an' ye know the Bible says, too, that 'From him that hath not shall be taken the little he has got,' an' that appears to be the promise the Lord is actin' under toward us lately.

For a few moments neither spoke. At last Jacob broke the silence.

"Come, Liza, let's stir roun

For a few moments neither spoke. At last Jacob broke the silence.

"Come, Liza, let's stir round an' git our blood circulatin', fer we hev got ter make the most of our golden opportunities if we expect ter hev bigger ones. It help ye git things cleared away, then we'll git ke ter fishin'. Wouldn't it be jest elergant ef you could go home with a string of fish longer'n mine? Jest think how ye could tell everybody how ye beat me fishin'."

Jest think how ye could tell everybody how ye beat me fishin'."

"Oh go on, d'ye think all a woman wants to do is to go vauntin' round?"

"Well, I shall be perfeckly contented fer you to do the vauntin' er I may be let in on the eatin'," generously replied Jacob.

The dinner things having been set to rights, they went back to the boat. Jacob unfastened the chain and, seating himself in the boat, pulled a little way from the shore, then called back to Liza, "You jest wait an' I'll back her up an' then ye won't hev ter go the whole length of the boat ter git ter sit down."

He pulled the oars vigorously and succeeded in bringing the stern of the boat close to the bank, and

he hoped Liza would have no trouble in getting in.

Alas, the best laid plans of mice and men do not always turn quite satisfactorily! Liza stepped one foot on the seat of the boat, which lurched a little. She gave an excited and vigorous push with the shoreward foot, shoving the boat from the bank and precipitating herself backward into the water waist deep.

"Oh Liza, Liza," roared Jacob, "jest stan' still 'til I row ashore an' come an' git ye out!"

Liza did not stoop to reply, but with dignified composure waded ashore, and pulling herself out upon the bank, commenced to wring the water from her clothing.

bank, commenced to wring the water from her clothing.

'Well, ye seem to hev landed,'' ventured Jacob, when he had turned the boat and rowed ashore.

'I' wonder ef you thought I was goin' ter stay there the rest of my life, jest cause I happened to be in.''

'I' didn't know ye hed concluded to be a merrymaid an' was goin' to comb yer hair with the water fer a lookin' glass, like the fairy books tell about.''

'I' reckon I got somethin' else ter do jest now,'' retorted Liza, "than ter be playin' merrymaid. I've got ter git dry in some ways.''

The ridiculousness of the affair seemed to dawn



"And Joseph dropped to his knees before her'

upon them both at the same moment and they laughed

upon them both at the same moment and they laughed as they had not done for mouths.

"Ef ye hed only been web footed like a duck," said Jacob, between his paroxysms of laughter.

"If I was sech an' old gander as you are I could hev paddled straight across the lake without stoppin," Liza retorted, "but you go on with yer fishin' an' I'll dry myself here in the sun."

Jacob disliked to leave Liza behind, but she prevailed upon him to do so, for, she declared, "There's no use of us both loosin' the fun of fishin', an' I love to sit an' watch the water an' the birds. I like that most as well as goin' fishin'.

Jacob was soon back at the place where they had caught their first fish, and his luck was truly remarkable. He had scarcely thrown in his hook when he felt a tug and landed a fish.

Liza, in the meantime, removed some of her outer garments and laid them on the grass to dry, and seated herseif in the sun which beat down hotly, and in an incredibly short time her garments were dry and the heat made her feel very sleepy. She went to the wagon and taking out the blanket, spread it on the grass and laid down upon it. The bees hummed drowsily in a blossoming bush near by. The frogs over on the marshy edge of the lake croaked an almost musical chorus. The birds in the tree tops hopped lazily from branch to branch, occasionally sending forth a full throated burst of song. Liza lay there, looking up through the green leaves at the azure July sky with now and then a fleecy white cloud floating past, then her eyelids drooped and she drifted off into the most untroubled slumber she had known since their days of adversity.

Jacob fished on, pulling in so many "big fellers" that his string became almost too heavy to lift. The

hours flew by unheeded and the shadows had begun to lengthen when he rowed toward the shore to take Liza out for a share in the sport. As he drew near, she went down to the water's edge and looked in admiring astonishment at his fine catch.

"It's gittin' late," she said, "I know by the sun. Don't ye think we better be makin' ready fer home? We ought ter hev a little ter eat before we go."

Jacob looked at his watch. "Well, I do declare," he exclaimed, 'ef it isn't almost half past five. We will sure hev to be a gittin' ready fer home. I didn't mean ter leave ye here so long alone, but I was hevin' sich superdangalous luck that I jest fergot everything. Can ye forgive me fer being' so selfish?"

"There's nothin' ter fergive,' said Liza, "I shouldnt' hev had a good opinion of yer judgment ef ye'd paddled away from sech luck as that. I wasn't a mite lonesome fer I hed sunshine an' music an' the best sleep I've hed since my mother rocked me in the cradle, an' I'm so rested."

"Jest like me," almost shouted Jacob. "I feel as though I could face everything now. I'm stronger'n I was this mornin'. I feel jest as if I could face anything. Fishin' is a powerful strength renewin' recreation. Better'n patent medicines."

Jacob rebuilt the fire and dressed the largest fish, while Liza sliced the cold potatoes and fried them a delicious brown. Then she cooked the fish and again spread the tablecloth on the soft grass and they sat down to eat. Never did the gods enjoy their Nectar and Ambrosia more than this honest couple their simple food.

When they had finished, Jacob hitched Duster to the ice cream wagon, loaded in their belongings and they started on the homeward way.

All through the late afternoon there had lain in the west a hank of sulley looking.

homeward way.

All through the late afternoon there had All through the late afternoon there had lain in the west a bank of sullen looking black clouds. They seemed to remain stationary, rising no higher and sinking no lower. However, as the sun dropped behind them and the wind began to freshen a little, they commenced to rise. Soon their angry appearance and the sharp flashes of lightening which now and then illumined them, gave warning that a heavy thunder storm was approaching.

"We sure enough air goin' ter hev a storm," commented Jacob, as he gazed at the angry, whirling clouds. "We better hurry along as fast as we can, fer them clouds will be swashin' down barrels of water in our vicinity fore long."

Duster went along as fast as his age and infirmities would permit. The clouds covered the sky and the darkness settled down heavy and black.

"Kin you see the road, Jake," Liza inquired, as she vainly tried to pierce the murky blackness ahead and ascertain where lay the beaten road track.

The words were hardly uttered, when Duster plunged, the wagon careened

where lay the beaten road track.

The words were hardly uttered, when Duster plunged, the wagon careened dizzily, scraped sidewise and finally lodged, standing at an angle of forty-five degrees.

"Hail Columby!" exclaimed Jacob, "We're off the sluice."

the sluice."
"This is no Fourth of July celebration," snapped Liza, "An' if we are out of the road, as long as we're right side up, I guess we can git back in, can't we?" The darkness was so intense that it took Jacob sometime to make sure of his bearings, and after feeling his way very carefully, he concluded that he could lead Duster through the ditch and up on the other side, easier than he could back the vehicle in the darkness

side, easier than he could back the vehicle in the darkness.

"Hadn't ye better git out, Liza, 'til I git straight in the road agin?" said Jacob.

At this moment the storm struck them and the rain fell in torrents. Liza from her uncertain seat thought it better to stay by the vehicle than to risk the soaking by getting out, as she knew the long drive in her damp clothing would be anything but beneficial to her, so she said, "No, I guess I'll try to stick in here some way, an' you be as careful as you can."

Jacob took Duster by the bits and led him forward. The front wheels of the wagon went down, precipitating Liza forward almost onto her knees, then they went up on the other side, almost throwing her over the back of the seat.

As they rounded up into the road again, Liza said, "D'ye think I'm about through doin' jimcracks fer the day, or is there some new performances fer me ter try a little further on?"

"Yell, ye've passed a fairly good examination, Liza, I guess ye'll do ter foller my circus."

"I don't suppose there's a whole dish in this here wagon," she said regretfully, as she felt back to make sure that the lunch basket had not been tipped out.

(Continued on page 37)

Portsmouth, a City with a History

By Charles Henry Chesley



EW of the old New England towns have a more glorious record in history and literature than Portsmouth, New Hampshire. The first point in the state to be explored by the white race; also the scene of the first Puritan settlement in New Hampshire, the birthplace and home of many men of distinction, she has known a national reputation for years; and now, with the signing of the "Treaty of Portsmouth" in recent years, her name has penetrated to the far corners of the earth.

Captain John Smith entered the mouth of the Piscataqua river during his trip along the bleak and unknown coast. He was probably the first white man to set foot on Portsmouth soil, unless, as seems probable, the hardy Norsemen had landed there centuries before.

It was not many years after the services of the Pilerium to Planenth.

the hardy Norsemen had landed there centuries before.

It was not many years after the coming of the Pilgrims to Plymouth that a party of settlers established a colony at "Strawberry Bank" as Portsmouth was first named. This was followed by settlements farther up the river at Dover, Exeter and Berwick, and these colonies differed from those in Massachusetts, since they were founded for purposes of agriculture, not for religious liberty.

These new colonies prospered, and Portsmouth became the market-place for a large territory and a thriving city before the Revolution. The shipping in those days was of vast importance and trading vessels went out from the quiet harbor to all quarters of the globe. In the years following the Revolution the industry of ship-building grew to large proportions, and Portsmouth was second to no scaport town in the struggling new country. Portsmouth merchant men and Portsmouth sailors were found on every sea. The foundations of many private fortunes were laid in those days, and the descendans of those old sea traders now comprise a large part of the aristocracy of the city. Captain Paul Jones selected his crew for the

"Ranger" from the sailors of Portsmouth and vicinity, while the vessel herself—the beginning of our glorious navy—was built in the city or one of the surrounding towns. The actual site is uncertain. Sarah Orne Jewett, whose home is at South Berwick on the Maine side of the Piscataqua ten miles above Portsmouth, has told in her story, "The Tory Lover," many historical events connected with the fitting out of the "Ranger." Portsmouth also claims the honor of being



Buckminster House, Portsmouth, Built before 1750

the home of the famous old frigate "Constitution." Another honor in naval history was the fitting out at this port of the valiant "Kearsarge." Many of her

wictorious crew were from the old city and two or three survivers still live there.

Much of the powder used at the battle of Bunker Hill was captured from the British at Fort Constitution in Portsmouth harbor by a determined party of patriots

from the up-river town of Durham. This was taken back to Durham and hidden beneath the meeting-house, and afterwards hurried as fast as an ox-team could be driven over the road toward Boston, where it arrived in time to spread havoc among the Redcoats.

In literary circles "Strawberry Bank" has given to the world, Thomas Bailey Aldrich, who was born in an old mansion on Court Street. The city can almost lay claim to Celia Thaxter, also, for this gifted poetess was the daughter of a resident of the Isles of Shoals, a cluster of rocky islands lying off Portsmouth harbor. Many local scenes have been made famous by the pens of these gifted authors. Another celebrity who at one time made Portsmouth his home was Daniel Webster. Many of the fine old houses are still standing, aristocratic and dignified, once the homes of men who made our history.

Many literary men of note have recently learned the beauties of the locality. William Dean Howells has a summer home at Kittery Point on the Maine side of the river, while farther down the coast at York Harbor is the cottage of Thomas Nelson Page. Mark Twain is another who often spends the summer months in the vicinity of Portsmouth.

The older part of the city is a relic of the days before the railroad, when Portsmouth ranked with Boston in shipping circles. All this is changed now and the sites of the ancient shipyards are unused or appropriated to some other purpose. But many of the staunch old houses still stand to show how finely they were built.

To the past year new honors came to the old city when President Roosevelt selected it as the scene of Russia and Japan. Henceforth such names as M. Witte and Baron Komura will be mingled with the names of the brave and famous men and women who have been connected with Portsmouth in her earlier history.

Squab Raising is Profitable

Another Good Industry for Women

By N. H. M.



NE OF the greatest delicacies of the winter market is the "small bird" which can be served whole, in distinction to the large bird which has to be carved. Of all small birds, the tenderest, most tasty and the one which gives the greatest satisfaction is what is known as the "squab." This is a young pigeon.

The best squabs, those which are the largest, grow the fastest, produce the best colored meat and bring the highest price, are not the young of mixed breeds, but of that variety of pigeons known as Homers. It is true that common pigeons are cheap, produce many young, and are easily to be had, but squabs reared from such birds are not profiable to market. It pays the man or woman who goes into this business for profit, to invest in good birds at two or three dollars a pair, for their young are marketable when four weeks old, and bring from two dollars and fifty cents to six dollars a dozen, even when sold to commission men.

The Homer pigeon lays two eggs in a clutch and when between three and

when sold to commission men.

The Homer pigeon lays two eggs in a clutch, and when between three and four weeks old, the squab is fat, juicy and tender, just right for the table. The bird has not begun to fly at this time, and is taken directly from the nest to be killed, plucked and sent to market. The birds at this time, to bring the best prices, should weigh from three-fourths to a pound and over for as they never move from the nest and are constantly stuffed with food by their parents, they rapidly grow to a surprising size. The eggs hatch in seventeen days, and a pair of fine breeding Homers raise seven pairs or more of squabs a year.

When pigeons are sent to market, the dealers sort them into three qualities, of these No I., of course, brings the highest price, and is the produce of breeders who use only first

class stock, like Homers. The squabs of common pigeons are classed as "culls" and not only bring the lowest price, but are tough, poor eating.

In most parts of the United States it costs fifty cents a year to feed a pair of breeding pigeons and they raise seven or more pairs of squabs. You do not feed the squabs; the breeding pigeons attend to that. If you keep a pair of pigeons and do not allow them to breed, they will eat only thirty-six cents worth of feed. In other words, they eat more when raising their young. (In localities in the East back from the railroads, where grain is high, the cost of raising is greater proportionately and may be even double the above figures, but in such places better prices are always realized for squabs.)

It costs for feed \$20 a week for 2000 pairs of pigeons and these 2000 raise about 400 squabs a week, which at

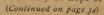
a price of \$3 a dozen are worth \$100, leaving an income of \$80 a week. The feathers do not have to be striped from the squabs for some city markets, (other markets require them plucked,) nor are they dressed or drawn. After their necks are broken and the squabs bled, they are cooled over night, and sent to market the following morning. Some supply houses wish them stripped of feathers, and pay more for them that way.

the following morning. Some supply houses wish them stripped of feathers, and pay more for them that way.

But suppose you keep the squabs and do not kill them, but let them grow until they are from three to six months old, and then sell them alive, for \$1.50 to \$3 a pair, to people who wish to start in the industry. Squab raising has jumped to the front with remarkable strides during the past six years, and every month the demand for breeders has increased.

The squab raiser turns say thirty males and thirty females into one breeding pen together. At once the process of pairing off begins. The male searches for the object of his affection. Within a short time each has found his or her partner and reproduction begins. Their usefulness as squab raisers continues for eight or ten years. No new blood is needed every year, as in the case hens. Dozens of pairs of pigeons keep in the same pen, under the same wire netting.

In breeding squabs for the market, you do not allow the parent birds to fly at random over the neighborhood, but keep them confined by wire netting in a flying pen. This is attached to the squab house. In the squab house are two nests for each pair of birds, and the nests are arranged in boxes about a foot square. In each box is set a nest bowl for the nest to be built in. Each nest is numbered, so that a record may be kept of it from (Continued on page 34)





"Homers." Blue Checkers and Mixed Colors

Two Great Loves

By Henry E. Haydock



ANNOT I hope that some day you may care for me even though you do not now? If you only knew how deeply I loved; surely you would give me some encouragement." Paul Aiken's voice was low and tremulons as he spoke. His was not a young face, rather the refined face of a man who had experienced life to become better thereby. Now it was lighted up with an intensity of feeling that made tears spring to the eyes of the young girl who was facing him, and who knew how hopeless was his pleading.

"I am so sorry, so very, very sorry, but it can never be possible. I did not suspect how much you cared for me. We were such good friends and I have enjoyed your friendship so much, but I do not love you, and never can because—because—I must tell you—I am engaged. You see Frank did not want it known, he has his way to make yet, he is the editor of a new magazine 'The Y— Monthly.' If it only succeeds we shall be so happy.''

A look of despair crossed Paul Aiken's face as she spoke. Seeing it Edith Vincent held out both hands to him. "We can be such good friends," she continued. "I do so want you to meet Frank. He is on his way from the city and we expect him tonight."

Paul took the two little hands and held them tenderly. The river so near them murmured happily over its bed, yet on its bosom it carried numbers of antumn leaves. To Paul they looked like withered and fallen hopes that the stream was quietly bearing away forever.

"No dear one," he answered softly, "I must leave tonight. I can now see there is no hope and it would be only misery for me to stay so near you. It must be good bye." His voice had a desparing ring in it. He drew the slim, girlish figure toward him pressed his lips gently on her forehead, then turned and walked rapidly away.

** * * **

Frank Everett seated near the window of the office of "The Y— Monthly" looked out over the city

walked rapidly away.

* * * * *

Frank Everett seated near the window of the office of "The Y— Monthly" looked out over the city stretched beneath him like a map. He made no movement to go home although it was so late that the luminous haze peculiar to large cities at night had already shrouded familiar land marks. He noticed the broad line of brilliant light marking an avenue, while far below an electric globe shone like a large diamond amid the foliage of a tree. The view was inspiring but it did not seem so to Frank Everett at that moment.

"The Y— Monthly" was not the success that it had been hoped it would be. Although the contents were well selected and carefully edited, it still needed an impetus to bring it before the public.

Frank Everett left the window, turned on the light over his desk and was about to resume his work when the door opened and the business manager entered. Usually Mr. Crane's step was quick and decided, but now there was a regretful hesitancy about it that made Frank Everett wince.

"Well?" he said, as Mr. Crane stood by his desk. As was Mr. Crane's custom he rushed in the thick of things. "I am afraid we shall have to have more money if we are to continue with any chance of success, and I don't see where it is to come from."

Frank Everett thought a moment then spoke. "I have some money of my own laid by. It is not very

Frank Everett thought a moment then spoke. "I have some money of my own laid by. It is not very much but I will invest every cent of it in the magazine. The tide must be near upon the turn. If we can last a little longer I am sure we shall be successful."

Mr. Crane brightened up perceptably. "But I will

see you further about this matter tomorrow when w see you further about this matter tomorrow when we can arrange the amount and the papers. Tonight there are some manuscripts I must look at. All pebbles I suppose. I have little hope of coming across a pearl among them, yet that is what we need," and Paul turned back to his work.

Mr. Crane smiled sympathetically. "You have pluck," he said. "You have worked like a beaver, too. If anyone deserves success, you do, and I hope we shall get it for your sake," and he held out his hand.

hand.
Frank Everett took it warmly in his grasp. "For both our sakes, For both our sakes," he said earnestly.
But when Mr. Crane was gone he leaned his head forward upon his arms that rested upon the desk and for a moment gave way to despair. The last die was now cast. It all depended upon the next few months as to whether he should be successful and on that also depended his marriage.

for a moment gave way to despair. The last die was now cast. It all depended upon the next few months as to whether he should be successful and on that also depended his marriage.

His head was still resting on his hands as a tall man entered the office. A man who wore his hat far forward over his eyes, and who seemed careful to keep his face in shadow as much as possible. He stood looking at Everett a moment or two, then spoke.

"This is the office of 'The Y— Monthly' I believe," Frank Everett started and glanced up at the clearly cut face that was partly in shadow.

"Yes," he answered, "and I am it's editor."

"I have a manuscript of a serial story here," the tall man said without taking his eyes off the other's face, "that I should like to have you pass upon for your magazine. It is offered you at your regular rates. A messenger will call from these people," and he handed Everett the card of a well known firm of lawyers, "to learn your decision. They will also vouch for my reliability. The manuscript if published, however, must appear under three stars rather than any name, and it is only through these three stars that you will know me." Saying this the tall stranger laid the manuscript upon the desk, bowed and passed out before Frank Everett could stop him."

Everett laughed softly to himself. "A crank no doubt," he thought. Well he could return the manuscript if it proved unworthy. He was about to go on with his work when the recollection of the half shadowed face of the stranger came before him again and with a feeling that he had seen the face before, but place it he could not. So insistent was this thought that he took up the manuscript. The title at once arrested his attention. He swept his eyes over the first page, then went back and began to read.

Late into the night he sat in the office poring over the masterly story in his hands. In uniqueness of plot, in thrilling interest, in delineation of character, in deft handling, in perfect style it could not be excelled.

When he had finished he started t

Frank Everett hummed softly to himself as he was ascending in the elevator to his flat. He was a thoroughly happy man. "The Y— Monthly" had succeeded beyond his expectations; it's prosperity hing-

ing upon the serial left by the mysterious stranger. He had been able to marry Edith Vincent and she was now waiting for him in their home. There was only one thing that troubled him, he could not find out the identity of the man who wrote under those three stars. He wished to thank him in person for all he had brought into his life, but the mystery was, as yet, dense as ever

dense as ever.

"()l! Frank I am so glad you are home at last,"
his wife was saying a moment later as she nestled in
his arms. "You are later than usual are you not? It
has seemed such a long day without you."
He kissed her softly. "I am working hard for your

His wife slipped from his embrace, "I had nearly forgotten that a package and two letters came for you today. I will get them," and she ran lightly into

Frank Everett seated himself before the open fire and looked about him with a sigh of contentment. It was not an expensively furnished room, but so prettily and cosily arranged that the mere fact of being in the room was an enjoyment in itself. When his wife entered with the package and letters and seated herself on the arm of his chair his hippiness was complete. "Do open the package first and see what it contains," his wife said as she leaned against him eagerly. Frank Everett slowly undid the wrappings and a book appeared. His wife was looking over his shoulder as he opened it to see the author's name. Instead of the title page he had turned to the portrait Frank Everett seated himself before the open fire

Instead of the title page he had turned to the portrait

Instead of the title page he had turned to the portrait of the author.

An exclamation of surprise rose to his wife's lips. "Why that is Paul Aiken," she said.

Frank Everett did not seem to hear her, he was scanning the name under the picture intently. "As I live!" he exclaimed in breathless surprise, that is the man who wrote the serial for 'The Y— Monthly' that practically saved the magazine. And he is the great author S—! It was no wonder I never knew before. He is eccentric, and this is the first time his portrait has ever been published—"

"Do open the efters and see if one is from him," his wife interrupted.

The first letter France Everett examined proved to be

Frank looked at his wife. "How strange it all is," he said.

For the moment she did not hear him. She was gazing far off into the past. She seemed to see a river carrying on its bosom fallen and withered leaves. She saw an earnest, pleading face with the hope dying out of it. Slowly her eyes filled. How good he had been to her! Yes, she had had two great loves in her life, his and her husband's.



Happiness

True happiness had no localities; No tones provincial; no peculiar garb.
Where duty went, she went; with justice

went,
went with meekness, charity, and
love,
Where er a tear was dried; a wounded

heart
Bound up; a bruised spirit with the dew
Of sympathy annointed; or a pang
Of honest suffering soothed; or injury
Repeated oft, as oft by love forgiven;
Where'er an evil passion was subdued,
Of virtue's feeble embers fanned;
where'er
A sin was heartily objured and left:

where'er
A sin was heartily abjured, and left;
Where'er a pious act was done or breathed
A pious prayer, or wished a pious wish,
There was a high and holy place, a spot
Of sacred light, a most religious fane,
Where Happiness, descending, sat and
smiled.

—Pollok.



Copyright 1901 By permission of J "Kaint fool dis chicken"



A Death Song

Lay me down beneaf de willers in de

school.

knowed.

whan de branch'll go a-singin as it pass.

An w'en I's a-layin low,
I kin hyeah it as it go
Singin', ''sleep, my honey, tek yo' res'
at las'.''

Lay me nigh to whah hit meks a little

pool,
An' de watah stan's so quiet lak an' cool,
Whah de little birds in spring
Ust to come an' drink an' sing,
An' de chillen waded on dey way to

Let me settle w'en my shouldahs drops dey load

Nigh enough to hyeah de noises in de

road;
fu' I t'ink de las' long res'
Gwine to soothe my sperrit bes'
I I's layin' 'mong de t'ings I's allus

-Paul Laurence Dunbar

SYNOPSIS OF PRECEEDING CHAPTERS

The story opens in the frontier town of Bismarck. The hero, John Worth, a young lad, takes part in saving stock from an Indian raid, and by reason of his pluck, becomes a favorite with the cowboys. Life in a western town, with its perils and hardships is laid before the reader, and the responsibility put on the shoulders of even a boy is graphically shown.

CHAPTER III.

A NARROW ESCAPE.

HE boy rushed forward and asked what had happened.

The small, rough living-room in the sheriff's shack was soon crowded with men who pressed forward eager to hear the other.

When Mr. Worth was rested somewhat and thoroughly warmed through, he began:
"After leaving home, I traveled for two days and nothing happened. There were plenty of Indian signs about, marks of moccasined feet and prints of unshod horses' hoofs."
"When were you house?" saled compare

nothing happened. There were plenty of Indian signs about, marks of moccasined feet and prints of unshod horses' hoofs."

"Where were you bound?" asked someone.

"Up the river near Fort Stevenson. Got a coal mine up there, you know," the narrator answered.

"Well, I kept a pretty sharp lookout for hostiles—and all the Indians are hostile around Fort Stevenson—but up to the time I'm going to tell you about I didn't see any. I followed the old trails made by the buffalo and deer across the prairie, and did my best to cover up my own tracks—wore moccasins till the cactic cut 'em too much, then shifted to boots. Of course boots made a much clearer print and would give me away sure if they were seen."

"Why?" whispered Tenderfoot Green to Casino.

"Because, you chump," retorted Casino, "the Indians never wear boots, so they know right away when they see marks of heel and sole that a white man has been that way. See?"

Worth continued, without noticing this whispered colloquy: "I was getting nearer and nearer the river every minute, and I knew that when I got there my chances of getting through all right would be better, for the brush and banks would afford the cover that the prairie lacked."

His hearers nodded their heads understandingly, and even Tenderfoot Green seemed to take in the situation.

"The wind was getting pretty keen, and I was

and even renderfoot Green seemed to take in the situation.

"The wind was getting pretty keen, and I was afraid it would snow; if it did, I knew my trail would be as plain as a column of smoke in a clear sky, so I hustled for the river at a good pace. In spite of my hurry, though, I managed to keep a sharp lookout for Indians. As I topped every rise I took a good survey of everything in view, and it was well I did, for about dusk I reached the crest of a low hill, and on glancing over saw an Indian village. It lay directly in my path, not far from the river. It was still too light to attempt to go 'round it, so I lay down behind some sage brush and watched what was going on. The village, which contained about fifty tepees, was placed within easy distance of the river and was well supplied with cotton wood."

"Used the cettonwood for fuel, I suppose?" broke

Used the cottonwood for fuel, I suppose?" broke

within easy distance of the river and was well supplied with cotton wood."

"Used the ccttonwood for fuel, I suppose?" broke in Green.

"Yes, and the green bark to feed the horses on in heavy snowy weather," volunteered Mackenzie.

"Excuse me, Mr. Worth," apologized Tenderfoot, "I didn't mean to interrupt."

"That's all right," said Worth. "A lot of squaws were busy doing men's work, as is the way of the poor things, scraping hides that were staked on the ground, mending buffalo-skin tepees, pounding berries, carrying wood and water. Some were busy with easier jobs such as making deerskin clothes and ornamenting moccasins with beads. I could see only a few bucks; the others were probably off on a hunt. There was danger in that, for if they found my trail on their way back to camp they would of course follow it, and then—well, I should be lucky to come out of it alive."

The listening men began to show signs of impatience. All this was an old story to them; they wanted to hear the end of the tale, and how he came to be in such a plight.

"Well, to make a long story short," said Worth, beginning to realize that he was telling much that was obvious to most of his hearers, "while I lay there, planning and idly watching the Indian camp, the hunting party was actually returning. Suddenly I felt the weight of a man on my back. I struggled and fought, and finally threw him off. Jumping to my feet, I faced two savages who had come in advance of the main party and had stolen on me unawares. Both now rushed at me, but I dodged one and tripped the other. Before I could finish the man I had thrown, the first was at me again. Loaded as I was by my pack, I was soon fagged. My gun had been taken by the redskin when he fell on me. Why he didn't use it on me I cannot understand—perhaps I didn't give him time. Now both of them jumped for me, and, try as I might, I could not dodge or disable them. I had already begun to fear that the game was up, when I saw a whole bunch of Indians, the rest of the hunting party, coming along the

party, coming along the trail.

"There wasn't any use fighting a mob like that, so I stopped struggling, let my captors hold me, and waited for whatever might come.

"The redskins crowded round me, and I thought that my time led come.

"The redskins crowde that my time had come.

Cattle Ranch to College

A Serial Story for Our Boys

Patience, Perseverance and Pluck Always Win

By Russell Doubleday

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"Stev'son, you come in, says one brave. "Hoss, pony, you got 'em?' culls out another big scowling savage. I shook my head.
"Then I caught sight of a face I knew—old Chief Looking Glass. (I warmed him up with coffee once when he was near frozen to death. Indians will do most anything for a cup of coffee.) He pushed forward through the crowd and shook hands with me. I could see he was trying to get his men to separate and leave us, but it wasn't any sort of use; they pressed around, and it was very evident that they wanted my pack. Looking Glass inally started alone towards the camp, calling to his braves to come along, but this plan didn't work at all; for the minute he got out of sight over the brow of the hill the thieving gang began to strip me. There was no use resisting; they were too many for me. Before I knew where I was I was stark naked, except for a few rags. Even my boots were yanked off. We were almost in the village by this time, for I had been pulled and pushed over the crest and down the slope of the hill. My formenters then left me and began to divide my outfit, so I crawled off, shivering and sore, anxious to get out of sight as soon as possible."
"Wasn't it coild?" said Tenderfoot Green.
"Rather," said Mr. Worth, a grim smile showing on his weather-beaten face. "A man does not go tramping across the bare prairie in weather like this dressed in a few rags, bare-footed, and feel as if he was in a hot spring. It was fully as cold as it is now, and this is a pretty sharp day." He shivered at the remembrance, while his listeners gave a general laugh at the simplicity of the question.

"Where did you get your blanket and moccasins?" asked Green, anxious to divert the crowd's attention. He pointed at the articles that Worth seemed to be guarding with unnecessary care.
"These here blanket and moccasins saved my life," continued the latter. "As I was pushing along I heard a woman's voice calling. I turned and saw a squaw running after me with a blanket and a pair of moccasins in her hands. "Looking Glas

terrible experience in a marvelously short time and became again his own sturdy self. The frontiersman must of necessity be possessed of an iron constitution, for he must be able to endure hardships of all kinds—intense heat and piercing cold, hunger and thirst, fatigue and pain, that would either kill an ordinary man outright or cripple him for life.

It was with inward dread that the little family watched its head start off again, after a few weeks' stay in town. Outwardly, however, cheerfulness, almost indifference, was manifested. This time he went with a party which was going in the same direction; the danger was, consequently, not so great. Then, too, the cold weather kept the Indians pretty close to their own camps, and as the locations of these were generally known, they could be easily avoided.

The boys' hearts were gladdened by the news that, perhaps, the home shack would be abandoned in the

spring, when their father returned. If so, the whole family would "hit the trail" to the north and west.

Up to this time the Worth boys had been

the whole family would "hit the trail" to the north and west.

Up to this time the Worth boys had been town dwellers, though in these days Bismarck could hardly be dignified by the name of village. John and Ben, in common with the few other boys, had enjoyed the comparatively tame pleasures afforded by the town and the surrounding prairie. All large game had been driven west, and only prairie dogs, gophers, coyotes, and occasionally wolves remained; these and the birds the boys used to shoot at day after day with their ever ready revolvers. The sport in the river was not all that could be wished for either, for the water was muddy and the bottom was full of quicksands. And if summer lacked diversions, winter was a still more uninteresting season, in that the pleasures were fewer and the discomforts greater.

It was therefore with great glee that John and Ben looked forward to this pilgrimage. A hilly country was to be visited, where game of all sorts abounded, where clear streams were plenty, and where new sports of all kinds were in prospect. Marvelous tales of trapping beaver, and lunting antelope, bear, and even buffalo, were brought in by hunters, so the boys were wild to enjoy these new pleasures.

The Government was trying to confine the Indians to the reservations that had been set apart for them, but the redskins had been accustomed to roam over the country at will, to follow the game wherever it went, to make war upon each other whenever they felt like it or needed horses; so they resented any attempt to interfere with their entire freedom, and turned fiercely on their white foes wherever they found them, singly or in camps and settlements. The Government, in order to better protect its citizens, erected at intervals outposts garrisoned by troops.

There being no railroads across the continent at this time, goods of all kinds had to be carried in wagons from the nearest railroad station to the fort or point of distribution. The supply of fuel, too, was a matter of great importance. It was in the main a

Mr. Worth was one of the first to see the value of these coal veins, and he was a leader in developing the mineral resources of the section. He opened and worked mines as near the different outposts as possible and at convenient points for the supply of coal to the river boats.

the mineral resources of the section. He opened and worked mines as near the different outposts as possible and at convenient points for the supply of coal to the river boats.

The Eastern railroads were stretching their long steel arms westward, and they also needed to be supplied with food for their furnaces.

Mr. Worth had contracted with these coal consumers to open mines which, when in good running order, were to be turned over to them to work. In order to do this it was necessary to travel from place to place, starting the work at intervals along the proposed line so as to be ready when the "steel trail" actually reached them. It was this contract that made it necessary for them to give up the home shack at Bismarck and to journey into hostile country. Mr. Worth could not return to the settlement to his family; the family must therefore come to him in the wilds.

Much of the long winter was spent by the boys in talking over the good times they were going to have when they reached the new country. At times a trapper would come in to get a stock of supplies, and John and Ben listened eagerly to every word he said about his experiences. These tales were old stories to most of the men of the little town, who paid no attention to such commonplace matters, but Charley Green, like the boys, was seeking information, and he drank in every word as eagerly as they.

Much of Green's ignorance had disappeared, though "Tenderfoot" was still his nickname, and by that he would be called as long as he lived there. He had changed outwardly as well. The Eastern pallor had given place to a good, healthy, bronzed tint, his eye was clear and his hand steady; he had lost weight but had gained in endurance. His gay, expensive outfit of clothes had been succeeded by the more sober and serviceable apparel of the plains: wide, heavy felt hat, fiannel shirt, rough trousers with protecting leather overalls or chaps, and high boots. He had learned enough about Western ways to avoid making many blunders, and took a joke at his expense

(Continued on page 38)



Some Good Houseplants for the Amateur Grower

By Florence Beckwith

Some Good Houseplants for the Amateur Grower

By Florence Beckwith

In the favored climes where roses are truly perpetual bloomers, and bare branches and snow-covered fields unknown, houseplants are not necessary to one's contentinent or lappiness. But in our northern clime, where winter reigns supreme several montis of the year, a little of summer pleasantness and verdure is transferred to our homes if we have only a single houseplant to clieer us with its bright blossoms or even its fresh green leaves.

We all prefer, of course, blooming plants for the house, but not all of those which we admire will do well in the environment that we can give them, so it behooves us to make choice of such varieties as will flourish best under the conditions which we can afford them, and not waste our care on some that are only foredoomed to wither and die because we cannot give them what they need.

Inquiries among flower-loving friends as to what plants had succeeded best with them, did not result in any extended list, nor introduce any with which I was personally unacquainted. Most of those who cultivate plants prefer to grow the ones they are most sure of, rather than set their affections on some untried sorts which may only disappoint their hopes.

Many have given up the cultivation of a miscellaneous collection of plants, preferring to depend upon bubbs, being reasonably sure that these will, in the main, prove satisfactory. With a few palms or ferns to furnish a green environment, hyacinths, daffodils, and freesias will make a room gay with color and teeming with fragrance, and leave nothing to be desired in the way of beauty and an attractive display.

The rich colors and beautiful shape of the blossoms of begonias, their prettily marked foliage and free-flowering nature, make them very popular for house culture, and one or more is quite certain to be found in every collection of plants. There are said to be hundreds of varieties of begonias in cultivation, so you are pretty certain to find at least one that will flou

window culture.

Begonia metallica is another variety that succeeds well for house culture. It is a very attractive plant both in flower and foliage. The blossoms are a delicate blush white, the under side of the petals being clothed with red, bristly hairs. The upper

surface of the leaves is green, shaded with a dark metallic color. A well-grown, shapely plant is very

surface of the leaves is green, shaded with a dark metallic color. A well-grown, shapely plant is very ornamental.

Gloire de Lorraine is one of the most beautiful and floriferous of begonias. The flowers are bright pink, and borne in such profusion as to make the plant an absolute mass of bloom. This begonia belongs to the semi-tuberous sorts and requires a season of rest each year. Not knowing this requirement has caused some to think it not a good variety for general house culture. When growing and blooming give it a moderately warm room, not too bright sunshine, and plenty of water, but do not spray it. After flowering, cut the plant back, give less water, but do not dry it off entirely. In May or June repot and set in a warm but shaded place, watering the same as your other plants. With this treatment it will make new growth and be ready for another season of flowering.

The well-known Rex Begonias are grown entirely for their beautiful foliage. In no other class of plants can such a variety in the shape of the leaves and the blending of rich metallic shades of color be found. But unless you can give them extra good care, I would not recommend Rex Begonias for general house culture, though I have seen some exceedingly beautiful home-grown specimens.

The Chinese Primroses are universal favorites, and

lome-grown specimens.

The Chinese Primroses are universal favorites, and deservedly so. Give them a cool east window where

they have plenty of light but not hot, direct sunshine, and they will bloom continuously for weeks and months. Care in watering is necessary, for they do not like moisture on their leaves and the crown of the plant often decays if it is subjected to showering.

The dainty Baby Primrose is a favorite with all who have grown it. If treated like the Chinese Primrose it will reward you with blossoms for weeks.

Primula obconica is a prime favorite with me and I can unqualifiedly recommend it. It requires no special care, will grow in an east or a north window where other plants will not flourish, and will blossom year in and year out, if you will allow it to do so. Several roots in a six or eight inch pot do nicely and make a beautiful ornament. I almost think that if I could have but one plant, it would be Primula obconica.

Every old-fashioned flower grower is pretty sure to have a calla, and also pretty sure to have blossoms on it; and truly a vigorous plant with healthy foliage and pure white flowers is a beautiful sight.

Usually the directions for growing callas say that it is absolutely necessary that the drainage should be good. But some of the old-fashioned growers set such directions at defiance and glory in plants which grow vigorously and produce beautiful blooms. Just the other day I saw four plants growing vigorously in a stone crock which had absolutely no drainage. The lady said she had grown them for years in such a crock and always had blossoms. There was one large bud on the plant, and the other stalks were so vigorous as to leave little doubt of their blooming in due season. In the spring the crock is laid on its side out of doors and allowed to remain in this position all summer, no water being given the plants. In the fall, when the plants show signs of growth, she repots them, giving a good rich soil. After cold weather sets in, she gives plenty of warm water, and despite of the lack of drainage the plants flourish and blosm very satisfactorily.

A friend whose windows are always full of blos

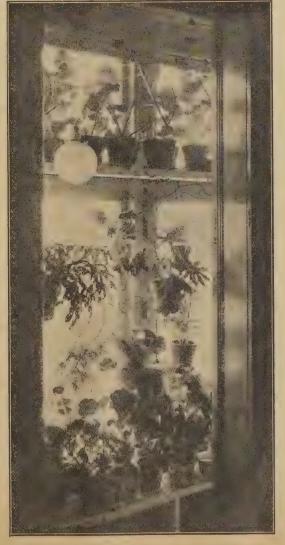
fall has new plants for herself and some to give her friends.

Almost every one succeeds well with the crab cactus and the two ladies last mentioned had beautiful specimens, full of buds and ready to bloom for Christmas, when their bright color helped to lend cheerfulness to the season.

A plant with which every one seems to be successful is Impatiens sultani. The plants begin to bloom when very small; they grow rapidly and are soon covered with a host of pretty blossoms. Several shades of red and crimson are obtainable, and the bright flowers are attractively set off by the pale green foliage. The Impatiens is very tender; a vigorous plant will sometimes all at once drop its leaves and fall to pieces, the only apparent cause being a chill, though over watering also seems to have a bad effect. It is apt to be troubled with the red spider, but showering or dipping the plant in water will relieve it of these pests. Cuttings root readily and one can have several plants with very little trouble, but this should be attended to in summer so as to have them ready for winter blooming.

to in summer so as to have them ready for winter blooming.

Should you not have sunshiny windows for your plants, some varieties of coleus which have very attractive foliage will flourish with only a small allowance of sunlight and give great satisfaction and pleasure. The light showing through some bright-leaved plants of this kind has almost as pretty an effect as blossoms, and lends a glow of color which is very cheering on dull winter days. Palms, ferns, and the various species of asparagus will give attractive greenery if they afford no blossoms, and none of these is difficult of cultivation, even for an amateur; so one need not lack flourishing plants if she will give them the necessary care.



A Successful Window Garden Geraniums, primroses, crab cactus and begonias in bloom



California Fan Palm

HEN I lived in the middle West, I sighed and HEN I lived in the middle West, I sighed and sighed for California where flowers bloomed perpetually, roses filled the air with fragrance, callas were weeds, palms were trees, and the sun shone always. For three months I have been a Californian, and now, like everyone else, I am sighing for the dear old East, where grass grows through Heaven's own efforts, and where irrigating is unnecessary.

Said a man unpacking my boxes, "It seems good to see an old pine board," and he gave the box a loving tap with his hammer.

Would you ever imagine, you would tire of palms.

tap with his hammer.

Would you ever imagine you would tire of palms, grown into trees? I never supposed I should, but give me the tender juicy green maple, or the deep green oak, rather than a stiff prickly palm, which shoots up into the air with no humane shade and turns all its lower limbs brown and unsightly

Dear Easterners be oh, so content to grow your palms in pots. To be just, the date palm is a noble tree. It throws a magnificent shade, and its long pinnated arms are very graceful and artistic. But Washingtonia Filifera and the California Fan Palm are of no use and little beauty.

One Filifera in Los Angeles is over 100 years old

fera and the California Fan Palm are of no use and little beauty.

One Filifera in Los Angeles is over 100 years old, and is eighty feet tall. It is quite famous, hedged in by a fence, and its age, pedigree and other items placarded upon it. As you can readily see, it is a thing of ugliness, and promises to live forever.

The orange tree—ahl—there is the most beautiful of all sights—an orange tree in fruit and bloom. As most everyone knows, the fruit ripens during an entire year, and the bloom comes before the fruit which is ripening is picked. The fragrance from an orange grove, must be sniffed to be appreciated. No words can describe its exquisite ordor. The tree itself is very symmetrical, like a plump beautifully formed woman; and the old growth of dark rich green contrasts so handsomely with the light tender green of new growth. Indeed we have nothing in the East to compare with the orange.

The olive has a dusty green leaf, rather odd, and to me not pleasing, as it emphasizes the dryness of the climate. The old fathers planted olives about their Missions, and these trees are still living and growing, grand noble specimens, while generations have passed since the sturdy fathers labored among them, and the very Indians whom these pioneer missionaries taught, have faded away, as a race of beings, before the march of civilization.

At San Fernando there is an old abandoned mission

of civilization.

At San Fernando there is an old abandoned mission and near by at a livery stable, is the olive press the fathers' brought with them from France. It is a heavy round stone, of hard formation, weighing 900 pounds, and has a square hole in the center. It is as perfectly formed as a grind stone, but only by conjecture can one imagine how it was made. It speaks no words of its life and history of over one hundred years except its date 1702.

its life and history of over one hundred years eaceptits date 1792.

At these Missions the fathers also planted hedges of native desert cactus. It is noticeable that these hedges run upon the northern boundary of all the Missions' grounds. It is legend that these cacti hedges were to protect the good Mission Indians from the wild northern tribes. These hedges have grown into enor-



Date Palm and Weeping Willow

Beneath the Sunny Skies of California

By G. S. T.

mous impenetrable walls of bristling thorns. A hedge half a mile long and fifty feet deep is at the north of San Fernando Mission. These cacti blooms are yellow, making it a sight worth going far to see.

But to return to trees, and let the cacti wait a bit. The weeping willow grows to perfection here, and is extremely beautiful. The Eucalyptus is a very tall slender tree which waves grandly in the strong west winds and is used largely for fire wood, as it grows rapidly.

extremely beautiful. The Eucalyptus is a very tall slender tree which waves grandly in the strong west winds and is used largely for fire wood, as it grows rapidly.

Another handsome tree is the Pepper. Its foliage is very fine and airy, as well as spicy, and when the tree is filled with the white sprays of bloom and red berries, it is a very pretty sight.

Grevillea robusto, which is such a beautiful pot plant, becomes a big tree here, and one must look up and inspect closely to appreciate its loveliness. The Norfork Pine becomes a grand, magnificent tree.

The native trees I have not studied. All these I have mentioned must be irrigated during the dry season, or else they will die. An exasperated ranchman wrote a real estate man, "I want to sell out, or will swap for Oregon land, anything to get where I don't have to imitate God with a sprinkling pot."

He summed up the situation. Irrigate, irrigate, all the time irrigate, morning, noon and night. That is why the transplanted Californian loves to think of this dear old home back East.

A lawn of Kentucky Blue Grass becomes priceless. The wiry harsh Bermuda grass gets in and kills off everything. But the velvety blue grass or a clover lawn is a sight which everyone admires. Grass does not grow here of its own free will, for Southern California is only a sandy desert, reclaimed by water. The cacti grow wild on the deserts, and some people have some fine specimens growing in yards. But when one sees a cactus standing twenty feet tall, and another climbing to the top of a cottage, as the Phyllo cactus here does, their ardor for cacti is slightly abated. The red and yellow prickly pear line the railroad tracks and are showy, but savage. Succulents are better, but even they are not "dear to our hearts," as the flowers "of our Childhood."

Californians can raise anything. The wonder to me is that they raise so few varieties. Now take roses, It is the country of roses. They grow riotous, magnificent, and are almost always without fragrance. The climbing roses soon co

The zonale geranium is relegated to the back fence and is generally a red or pink single. I have seen none of the exquisite varieties we cultivate in eastern states. Some geraniums are enormous, growing ten feet high, but they are the irrigated ones. Where the geranium is neglected it is a dry scruffy looking thing. But the Pelagronium and Ivy geranium reign supreme. The ivy is mostly of the pink variety, and is largely trained over low fences, making a complete hedge. The Pelagroniums grow into huge, gnarled, trunked shrubs with flowers of the most exquisite colorings, and greatest profusion.

The great standby of the California garden seems to be the fuchsia, which grows very large, and produces innumerable bunches of its many colored bells. Along side of its peculiar shades, people seem possessed to put the purple heliotrope which grows ten feet tall and will be one mass of delicate bloom most of the time.

time.

California ranks as a carnation growing state and chrysanthemums are great favorites. I have seen no tuberous begonias, although begonias do well here. A few of the choicer varieties are seen, but not many. The Rudleeckia Golden Glow, over which all eastern people have been wild, seems to be scarce on the coast. The Poinsetta is a strange plant. It has long brown limbs devoid of foliage, and a brilliant flaring scarlet bloom at the top of ten feet of limb. The large flowering Hebiscus is gorgeous, its flowers like satin crepe.

crepe. The pale blue plumbago grows into an enormous vine completely covering verandas, and conjoined with the deep blue moon flower makes a handsome display. The fragrant honeysuckle is another favorite and rapid growing vine, and English Ivy, although slower, is exceedingly effective. The umbrella plant grows into great clumps ten feet tall and is used in



A Washington Filifera

decorations, while papyrus is an extremely effective clump and decorates a house very tropically.

The sweet violet grows without coaxing, and blooms from February until June, and sweet peas can be had at all times of the year by planting at intervals. Poppies and petunias are particularly fine, and cosmos, as an annual, thrives well. Pansies need coaxing, but are exquisite when grown successfully. As for Lantana, it becomes a coarse leaved, gnarled shrub, simply enormous and of no special beauty nor use. Dahlias do splendidly, and it is a wonder to me that more tuberous and bulbous plants are not cultivated. Freesias have a strong hold upon public favor, and gladiolus are also raised. But hyacinths and tulips and iris are scarce. Cannas are no more luxuriant here than East, and ferns are scarcely ever seen. People raise no house plants if they have any yard at all, and many of our delicate eastern favorites are not to be seen here.

Care of Bulbs in Springtime.

By L. Eugenie Eldridge.

The snow drop starts early, so does the crocus, particularly the yellow (Mammoth Golden). Also some varieties of tulips, the Duc Van Thol for one. I have known it to bloom as early as April 4 in my New

England garden.

Much of the beauty of spring bulbs depends upon treatment received in the fall, yet experience has taught me that judicious care in springtime counts.

The tendency to dress bulb beds too heavily causes

forced start and not only that but ruins the bulbs by

My snowdrops usually have the winter without protection and they always peep out from under the snow true to time.

true to time.

Tucked away in its brown blanket for winter sleep the crocus (bed) has a top covering of dry stable dressing mixed with straw litter, a light dressing is better than heavy for crocuses.

In the early spring pull off the dressing, letting it lie along the edges of the bed. This will let in the sunshine and air and help the little flower to the light. It is already struggling in its underground bed.

Should a young winter spring up, that is, a blizzard freeze, re-cover with the pushed back dressing or blighted flowers may be the result.

Repeat this as many times as Old March may require, which may be several times and may not be at all. I have noticed it pays with flowers to be on the safe side.

And again, after the crocuses have their pretty bonnets on, so bright and cheery in white, yellow, and purple, it sometimes happens that rain is withheld, and a "dry April" follows.

held, and a "dry April" follows.

Now if you would have strong bright flowers continue, turn on the hose, or, failing hose, water freely every other day. I know whereof I speak because I once lost a beautiful bed of crocus blooms through neglect in watering when April refused showers.

Tulips should not remain covered until their thick leaves push up, blanched and white, as I have often seen them. Give tulips good breathing chance and they will amply repay you.

The beauty of the bulbs will repay the money and trouble they cost, many, many times over.



Weeping Willows

Joys of Anticipation

While the wintry winds rage and the snow covers the frozen ground, there can nothing be done in northern latitudes in the garden or on the lawn, but one can, in anticipation, enjoy them both by beginning to plan for the summer. Planning and caring for one's house plants are about all that can be done in

Planning and caring for one's house plants are about all that can be done in February.

Half the pleasure of gardening is in the anticipatiou which planning brings. The tempting catalogues begin to come this month, and there is real enjoyment in looking over the pages, at first casually, then critically and with the intention of making selections. There are so many plants you would like to have, that, as you look through the lists you will say again and again: "Oh! I must have that." But there are limits to most gardens and also to most purses, and, too, one realizes that a few new plants each year will bring the greatest amount of pleasure. If we have too many, some are apt to be neglected, while if we have only a few, each opening bud is watched with the most glowing anticipations of beauty and sweetness.

So, after due consideration, take pencil in hand and make a list of the old-established favorites which you cannot do without; add to it a few which you have never tried but which have stood the test of time with other cultivators; and, cautiously, one or two of the glowingly described, high-priced novelties of the seedsmen and florists. These novelties most likely, deserve all the enconiums bestowed upon them, but don't be disappointed if, under the hap-hazard cultivation amateurs sometimes give, they fail to do all that is claimed for them in the way of beauty and desirability. So much depends upon soil, location, and cultivation that it is not quite fair to condemn a plant simply because we have not succeeded with it. to condemn a plant simply because we have not succeeded with it.

Don't regret that you cannot get everything you would like to have, for you want something left for the years to come. The anticipation of possessing some new plant next year will add to your enjoyment this summer as well.

some new plant next year will add to your enjoyment this summer as well.

If you did not, with true foresight, plan your garden last fall, do so now, that you may know how much space you will have for the new things in 'addition to the old ones. Some complain that they have not room for a single new plant. This is often caused by not resetting old beds in which the plants have spread far beyond the limits originally designed for them, and which would be greatly benefitted by transplanting. Then, again, the hoeing of the walks is quite apt to gradually widen them until they encroach upon the beds, and take up much more space than is necessary.

The beds of the vegetable garden can be bordered with annuals, and thus the beautiful and the useful can be blended. Select some plants specially desirable for borders and see how much they add to the beauty of your garden as a whole.

Look out from your windows and note where there is room for another beautiful shrub or herbaceous perennial. The delights of a hardy border are as perennial as the plants themselves. Once planted, it is a permanent feature, and care and forethought are necessary to its best effect. Therefore, plant it now when you have plenty of time.

Are you just about to start a new garden? Then planning for it is an absolute necessity. Many plants and shrubs need several years to reach their best development, consequently great care should be exercised in locating them so that they need not be disturbed.

Another point to be observed is to give every tree, shrub or plant plenty of

Another point to be observed is to give every tree, shrub or plant plenty of room for developmet. It is hard to realize that a little bit of a plant will, in a few years, perhaps, cover several feet of space, and people almost invariably set them too close together. Better leave too much space than too little, for you can fill in with annuals and bulbs until the perennials require all the room. Then, too, you are sometimes very glad to have an open space in which to plant some extra shrub, forgotten when the garden was first planned but which you now recognize will be just suited to a certain evironment.

Don't lay out more ground than can be kept in the very highest state of cultiva-

tion. A well-kept garden will be a source of pleasure and pride, while a poorly cultivated one will be only a source of disappointment and pain. The greatest difficulty with most gardens is that they are too large to be well-cared for.

So much for planning; just enough to thing she wants, and she will give you heartfelt thanks.

The greatest difficulty with most gardens is thing she wants, and she will give you heartfelt thanks.

The greatest difficulty with most gardens is thing she wants, and she will give you heartfelt thanks.

In planning your garden, don't over-In planning your garden, don't over-look the fact that the great secret of suc-cessful gardening is having a luxuriant continuity of blossoms from early spring to latest autumn days. You want some-thing in blossom every day and you can have it if you plan aright.

Grow plenty of flowers for cutting: don't have all your beds just for the benefit of the passer-by. Have enough to be able to offer every visitor at least a few, and, if you want to give the great-

heartfelt thanks.

If there is a fence between your lawn and your neighbor's, it can be draped with vines and rendered a thing of beauty. Of annual climbers, the morning glory and nasturtium are most satisfactory for this purpose. For permanent growth, Ampelopsis quin quefolia, or Virginia creeper, is unrivaled; its glossy green leaves in summer and brightly tinted ones in the fall make it particularly desirable. Make your plans now for this improvement, so that you can

So much for planning; just enough to call your attention to the matter now when you have time to attend to it. The possibilities of even the smallest garden will expand before your eyes when you begin to study how to make the most of them.

A good way to freshen up leather goods is to rub well with the white of an egg with a piece of soft rag. It will give a nice gloss without cracking the leather, as many of the so-called kid

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New Lemon, Ponderosa



This lemon blooms and fruits at the same time. It has deliciously fragrant flowers. The fruit is large in size, hence the name "Ponderosa"—the lemons often weigh from three to four pounds each. It is one of the most desirable of house plants, both because of the foliage and the blooms. The flavor of Ponderosa lemons is delicate and unsurpassed.

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We will send you a thrifty young plant of Ponderosa lemon with FLORAL LIFE 3 months on trial for only 10 cents. No plant is easier to grow—budding or grafting is unnecessary as every plant is on its own roots. Don't fail to add a Ponderosa lemon to your collection of plants—it will be "a thing of beauty and a joy forever." In summer it is fine for the lawn.

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for the course of a year, Floral Life describes and gives cultural directions for plants of the course of a year. It was a success of floriculture in the home. Its pages give plain and practical directions how to plant, what to plant and when to plant, how and when to prime, when to water, what soil and fertilizers are best, how to destroy insect enemies, how to give winter protection, etc. The writers who contribute to the columns of FLORAL LIFE have grown the plants of which their articles treat and their advice is based on actual experience. In the course of a year, FLORAL LIFE describes and gives cultural directions for practically every flowering and foliage plant grown in the United States.

Edited for Every Day Flower Lovers

This magazine is edited for the great common people—for the every day men and women who love flowers. Its columns are a guide to floriculture as it can be followed in the average home—where the favorable conditions which professionals have do not exist. FLORAL LIFE is printed on fine book paper and is illustrated with magnificent half-tone engravings made from photographs. There is no more attractive publication in the country—none with cleaner columns or higher ideals. Its articles are all of a most practical nature—giving the "how" of home flower-growing.

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you a most beautiful garden.

Alyssum—Double, sweet; fine for low bedding.
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passing to samon edged with carmine.

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Pattern No. 6710

A Pleasing Waist for Nice Occasion's

If one has no pretty gown which she may wear up on the occasions which come unexpectedly to every woman, the odd waist of soft silk chiffon cloth corresponding in tone with the suitskirt, is indeed "a friend in need". Such a waist is not expensive, yet it make one feel that she has something which will look pretty if she needs it. The waist sketched is in soft silk with



Patterns No. 6728 and 6729

Some Attractive Lingerie



Pattern No. 4134

A Pleasing Little Gown In Surplice style

Among the new cloth dresses for school wear, a very harming and practical one shows the fronts crossed a surplice style. The skirt and waist are pleated so nat there is none of that scantiness, so unbecoming to outhful wearers. The V front and cuffs are of concasting color. The frock closes in back and the skirt nd waist are attached. A narrow braid or buttons re all of the trimming permissible on a dress of this find and these are not needed to render it attractive ashmere, serge, cheviot, pongee or Henrietta may erve, the medium size requiring 3½ yards of material 4 inches wide. No. 4134 is cut in sizes, 6, 7, 8, 9, 10, 11 and 12 years.

A Becoming Blouse for the Boy

Blouses for boys must have a certain style and "go" them such as boys like and a type of one is sketched re. The broad sailor collar lends a youthful wing" to these waists, and this one may be in either two outlines. The blouse may be closed in front stipped on over the head, while the shield and cuffs



Pattern No. 4078

may be omitted if desired. These blouses are suitable for all kinds of wear and may be made of a great variety of materials from linen and chambray to flannel and serge, all being washable. A braid or embroidered emblem serve as adornment. For the medium size the wast requires 1% yards of 44-inch material. No. 4078 is cut in sizes, 4 to 12 years.



Pattern No. 4051

A Youthful Morning Gown

A Fournful Morning Gown

So early is a desire for daintiness being developed in the American girl that even those not yet in their teens are demanding negligees of all degrees of dressiness. A suggestion for a gown of this kind is given and may be realized at little expense and labor. The front and back may be tucked or gathered at the neck edge, the latter being a bit more graceful if the Dutch neck is used. The simple bishop sleeve is given as well as the shorter, flowing one. Worn with an Empire or Kate Greenawy girdle, the effect is most quaint and felching. Among suitable materials are albatross, challis and any soft silk. The ten year size demanding 5 yards of 27-inch material. No. 4651 is cut in sizes, 2 to 16 years.

A Tiny Underwaist and Drawers

There was never a time when baby's comfort was subsidered as now and the result is a variety of clothing which answers every purpose of practicabilitiers is shown a small underwalst and drawers which centended for wear between the ages of six month and three years. They are to be worn with or with ut a diaper and fastening in front, they hold in plandergarments which would otherwise be misplace.



A Gown for the Young Girl



Pattern No. 4077

We will mail patterns shown in this issue, to any address for only 10 cents each or three for twenty-five cents. The regular retail prices range from 25 to 40 cents. The Patterns are all of the latest New York models and are unequaled for style, accuracy of fit, simplicity and economy. With each is given full descriptions and directions-quantity of material required, the number and names of the different pieces in the pattern, with a picture of the garment to go by. Be sure to give sizes desired.

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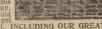
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Some Serviceable Hints for Replenishing the Wardrobe

BY MARTHA DEAN

of winter and the beginning of Spring with a new dress, a waist or suit and if these are made according to what Fashion dictates for the coming Spring, they serve without alteration as long as they last. The notion that one cannot have new clothes until Spring is fairly here is long gone by, for nowadays what one wears tor winter does not differ greatly from what one wears at any other season of the year, with the exception, of course, of

A coat which bids fairto be exceedingly fashionable during the coming months is semi-fitted and in short hip or longer

short hip or longer length. Such a coat is shown in 6791 and the woman of slen-der or full figure will find it becoming. Broadcloth, cheviot or a similar material may be used for its development and it development and it may serve as a separate jacket or complete a suit. The choice of two sleeves is allowed in the pat-tern, the bishop in three-quarter length

with a trim turn-back cuff and a two-seam leg-o'mutton with or without a cuff. For a jaunty appearance the short coat with the three-quarter sleeve is best while the longer coat and sleeve are exceedingly smart and more practical. For the medium size the coat demands 4 yards of 54-inch goods, while the pattern, 6791, comes in sizes 32, 34, 36, 38, 40 and 42 inches bust measure.

A suit which shows 4th

A suit which shows the tendencies of the newest designs is seen in 6762-63. This short semi-fitted jacket with its seams stitched in slot seam effect possesses a style which

sesses a style which few of this kind realreworths kind realize. The sleeves are in three-quarter. length or long if preferred. The skirt is a new seven-gored one with tuck-plaits at the front and side at the front and side seams and hangs in graceful fullness with a pretty ripple at the hem. Such a suit would serve well for Spring or Summer Spring or Summer wear as well as now if

wear as well as now it made of such material as serge, cheviot or a similar cloth of medium weight. The medium size calls for 8½ yards of 44 inch goods. The coat pattern 6762, comes in 6 sizes, 32 to 42 inches bust measure and the skirt, 6763, in 6 sizes 20 to 20 inches waist. sizes, 20 to 30 inches waist.

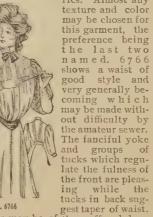
The woman who seeks a smart appear-



ance will find the shirt waist dress 6794-6795 one of much fascination. much fascination.
The double box
pleat effect giving
fulness to the front
without any loose
blousing, completed
by its trig little
yoke, bespeaks neatness and careful dressing. It is a gown such as a woman of good taste would admire and look well in and may serve for any kind of nice wear during

EBRUARY usually finds one's winter clothes well worn and looking a bit shabby, at least to her who wears them so constantly, and every one longs for the end of cold weather when she can don something fresh and different. Many find it practicable to tide over the end of winter and the beginning of Spring with all adornment may be omitted. Any of the lightweight cloths, mohair, taffetas, or alpaca might be used for the dress, the medium size requiring 534 yards 44 inches wide. The waist pattern 6794, is in sizes 32 to 42 inches bust measure and the skirt, 6795, in sizes 20 to 30 inches waist measure waist measure.

son of the year and those made now may be either in cloth, silk or washable fab-rics. Almost any

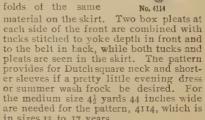


No. 6766

The sleeves may be of the puff and deep cuff order or of bishop style with the narrow wristband. 3\(\) yards of 27-inch material are needed for the medium size, the pattern being in 6 sizes, 32 to 42 inches bust measure.

School girls often

School girls often need entire new outfits at this time of the year and some practical sugges-tions for the mother who clothes them are given. For the girl in her teeus the shirt waist dress 4114, will find favor because it is simple in style and yet smart and becoming. A serge or mohair A serge, or mohair might be used for such a dress and if any adornment is desired let it be but-tons on the waist and



are needed for the partial in sizes 13 to 17 years.

The young girl's wardro'be is not complete without several plete without severa plete without several odd blouses of simple style which she can den for everyday use. A design for such an one is seen in 4091, where box pleats in front and back combined with tucks give good lines and make up for the deficiencies of undeveloped figures. Such a waist

nres. Such a waist is easy to make and launder and suitable to any of the seasonable waistings. In the medium size 2½ yards of 32 inch material are needed. The pattern 4091 comes in sizes 13 to 17

A good looking reefer for the coming weeks which may be of year. A good looking feeter for the coming of nice wear during the coming months. The sleeves may be in full or shorter or shorter and the coming and buttons.

A good looking feeter for the coming weeks which may be of warm or waterproof material is sketched in 4113. A tweed in plaid is here used and no adornment is necessary except stitching and buttons. VICK PUBLISHING CO., Dept. X, Dansville, N.Y.



An inverted pleat appears at the centre in back to provide extra width for the skirt portion. The neck closes snugly with a high turnover collar while the double breasted effect in front is practical and beis practical and be-coming. A serge, tweed, cravenette or other waterproof fabric may serve for the coat, 1% yards 54 inches wide being needed for medium size. The pattern 4113 is in sizes 4 to 12

years.

Many pretty models in children's dresses are made of plaids and one which deserves mention is shown in 4115. Here

the fanciful yoke is of plain material to match the ground of the plaid while cuffs and belt correspond. This forms sufficient adornforms sufficient adornment for the dress and gives it good style. The pleats of waist and skirt provide a gracefulness especially becoming to undeveloped figures. Any of the seasonable worsteds, moliair or cloth may serve, the medium size requiring 31/4 yards 44 inches wide. The pattern 4115 comes in sizes 6 to 14 years.



Modes and Materials

Prevailing styles in visiting toilettes show timest possible boleros and the like.

One and all of the velvet coats are elaborately trimmed and there is an extensive use of heavy lace and embroidery to be noted.

to be noted.

There are a few stylish coats this year made kimono style, with the sleeves in one with the body of the coat.

Satin pumps for house and evening wear are replacing those of patent kid.

The tulle throat bow, with its many possibilities is once more with us.

Tulle throat bows may in good taste, either match or contrast with the gown. Light colored voiles are most sensible for party dresses of young school girls. Deep orange shades are used generally as trimmings rather than for entire gowns. Silk, ribbon, chiffon and velvet are all used in the make-up of ruff and muff sets.

The modified Empire style is employed much in the manufacture of evening

Nothing that the season has brought forth is more truly fascinating than the many lovely, fancy ruffs and muffs to

match.
Yellow in all its shades is being greatly worn and in some of the newer ones is wonderfully beautiful.
For dinner and reception wear chiffon velvet and chiffon cloth appear to share the honors almost equally.

SPECIAL OFFER.

We will mail patterns shown in this issue, to any address for only 10 cents each or three for twenty-five cents. The regular retail prices range from 25 to 40 cents. The Patterns are all of the latest New York models and are unequaled for style, accuracy of fit, simplicity and economy. With each is given full descriptions and directions-quantity of materials required, the number and names of the different pieces in the pattern, with a picture of the garment to go by. Be sure

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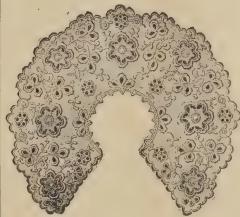
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VICK'S MAGAZINE, Dansville, N. Y.

Lace and Needlework Designs SEPARATOR

By Mrs. E. J. Grote



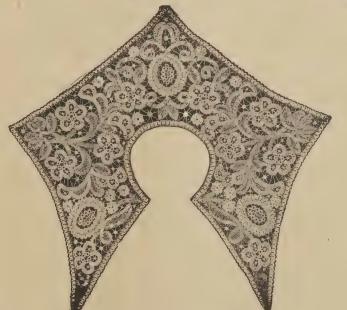
Collar in Bruges Lace

Collar in Embroidery

This collar can be worked in solid embroidery, eyelet or cutwork as the fancy dictates. It is worked in luster or DMC cotton. If done in solid embroidery must be padded. If done in eyelet must be run around the holes before working so as to keep it from fraying and it makes the work look neater when done. If in cut work it must be run around before it is worked and the figures cut after the work is done and then the figures filled in. It makes a very pretty yoke.

Pattern on linen 75 cents. cambric to transfer 5 cents.

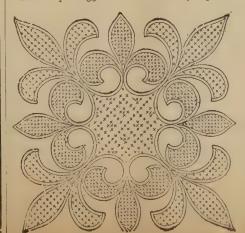




Yoke or Collar in Bruges Lace

This Yoke or Collar is something new as this is the first time it has been in print. The middle of the medalions is made of small rings, the next row of 681 braid and the outer edge of No. 678 braid. The leaves and branches of No. 681 braid. The little flowers of 678 braid. These are made before they are basted on the pattern. It is then filled in. Any stitches can be used that suits the fancy but the plainer the stitches the better the braid shows up.

Pattern price 35 cents. Materials \$1.25 extra.



Sofa Pillow Top

The straight lines on this pillow can be done in Coronation Braid or the new rickrack work, the point of the rickrack being fastened down with the color used with a French knot and the cross stitches with a contrasting color made in this way makes a handsome pillow.

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Floral Question Box

an answer in any particular number of the magazine should be sent in two months before its date. Correspondents will please observe these general rules: Write queries on a separate sheet from any other matter that your letter may contain. Write your name, town and state plainly on the same sheet; they will not be published. If you wish an immediate personal answer enclose a selfaddressed stamped envelope for really. In reporting a failure with one value that it is self-addressed, stamped envelope for reply. In reporting a failure with any plant, detail the

Will it hurt my Ferns of they stand in the strong sunlight?—A. R. S., Ohio.

Ferns do best when grown in partial shade. Direct light will not hurt them, but broad sunshine is not beneficial. They flourish in a north window where other plants do not do well.

Keeping Cannas over Winter

What is the best way to keep Cannas over winter?—E. R. F., Iowa.

After frosts have injured the foliage, the plants can be lifted. If some soil clings to them it need not be removed. After digging, set the roots in a dry, shady, airy place for two or three days so that part of the moisture will evaporate. Then pack in shallow boxes with sand or dry earth and keep in a cellar where the temperature will not go below forty-five degrees. In March take them out and pot them, in order to give them a start before planting-out time.

Liquid Manure for House Plants

Is liquid manure good to use on plants in the house in the winter.—Mrs. N. G. C., New York.

house in the winter.—Mrs. N. G. C., New York.

Liquid manure should be used with caution on house plants in the winter. Make it very weak and apply in small quantities. Most people prefer manufactured plant foods, as directions for use come with them and also because they have no bad odor. Household ammonia is a good fertilizer, allow one table spoonful of the ordinary solution to a gallon of water and use once a week. If a plant looks sickly, don't use any fertilizer.

Scale Insect on Otaheite Orange

Please tell me what to do to get rid of the scale asect on my Otaheite Orange tree. Also what oil is best for it?—R. A., Ohio.

Kerosene emulsion, which has been so frequently described in our magazine, is the best known remedy for the scale insect. Syringe the plants with it and afterwards with clear water. Repeat if

Hecessary.

For young Orange plants the soil should consist of equal parts of good garden loam, leaf-mold, sand and old manure mixed together. Plants of a bearing age can be potted in a soil composed as above with the exception of the sand.

Scale Insect on Oleander

I enclose leaf from my Oleander. Please tell me what the disease affecting it is, and what I shall do for it.—M. T. D., Maine.

It is not a disease which is affecting your Oleander; it is badly infested with the scale insect. Use whale oil soap, or fir tree oil soap, or kerosene emulsion, brushing the leaves thoroughly with an old toothbrush on both upper and under side. Rinse with clear water. Probably the juscets are also to be found along. the insects are also to be found along the stems of the leaves and even on the branches, so these should also be thoroughly brushed with the soap suds. Several applications may be necessary before the insects are entirely dislodged.

Geraniums—Fuchsias

I. I have some Geraniums a year old which have not bloomed yet. They are growing nicely but not blooming. I would like to know what is the trouble.

2. One of my Fuchsias, that bloomed in summer has died down and the other has lost its leaves. How should I care for them through the winter?—Mrs. M. H., Kentucky.

1. If, as you say, your Geraniums are growing finely, there is probably nothing the matter with them and they will S SIZE AND STYLE CHICAGO, ILL. | blossom in due season. In the course of

Should Ferns be Exposed to Strong Sunlight?

a few weeks, when the skies are brighter they will probably begin to bloom. In the meantime, give them all the sunshine possible and that will hasten their bloom-Geraniums bloom best when small pots. Perhaps yours are in too large

dishes.

2. If your Fuchsias bloomed well in the state of 2. If your Fuchsias bloomed well in summer, they are now taking a needed rest. They could be kept in the cellar during the winter, giving just enough water to keep the earth from getting dust dry. Toward spring, bring the plants to the light and cut them back severely. You need not be afraid of cutting them back too much, for the young growth which is thrown out will give profuse bloom. They will bloom better if the roots are somewhat confined, so do not use very large pots. use very large pots.

Chinese Primroses

Will you tell me what to do with Chinese Primrose plants that have bloomed in the house all winter?—Mrs. R. E., New York.

A florist would probably tell you A florist would probably tell you that it would not pay to keep a Chinese Primrose over a second season, but my own experience has convinced me that plants often produce more flowers the second season than the first. Possibly the blossoms may be somewhat smaller on the old plants, but I have never noticed any particular difference in this respect, except that the very first flowers on young plants are generally large and on young plants are generally large and fine

on young plants are generally large and fine.

The latter part of spring plants which have bloomed in the house should be turned out of their pots, the ball of soil reduced and the plants reported in the same sized pots with fresh soil. Common garden loam with a liberal mixture of cow manure or bone meal is best adapted to the wants of the Chinese Primrose. Care should be taken that the base of the plant rests on the soil, but it should not be buried. When thoroughly re-established the plants can be exposed to the sun, though partial shade in the hottest weather is best for them. Remove early to the house, before danger of frost. A cool, east or north window is best for them in winter. When the pots are full of roots, weak liquid cow manure may be used once a week.

Jerusalem Cherry—Lemon Tree

1. Will you kindly tell me, as soon, as possible, what kind of cultivation the old-fashioned Jerusalem cherry should have to succeed well?

2. I have a Wonder Lemon tree which will be two years old in the spring. It has never grown much: the stem only measures about eight and one-half inches and it has produced only four new leaves. Since bringing the plant indoors it has developed three clusters of buds. Some of them grew until about the size of a small bean, but only one bud opened and finally all dropped off. There are only three leaves on the plant now and they all have yellow spots on the edges and are drying up. I have it in a glazed plant jar, less than six inches across. Do you think the jar has anything to do with the plant? It keeps alive and I can find no scale or other insect on it, nor worms in the soil. What can be the matter; why does it not grow?—Mrs. M. V. W., New York.

I. Directions for treating the Ierusalem

1. Directions for treating the Jerusalem Cherry will be found in the January 1907 number under "Caring for Christ-mas Gifts."

mas Gifts."

2. The directions given for treating the Otalieite Orange, in this issue, will apply equally well to the Wonder Lemon. The plant requires a rest and is taking it, all your efforts to the contrary notwithstanding. Glazed pots are not as healthy for plants as unglazed ones, as they do not permit of the passage of air through them, and the soil is apt to become soggy and wet. When the plant begins to show signs of growth, we would advise reporting into an unglazed dish. If directions are followed, we think your plant will come out all right.

(Continued on page 31)

(Continued on page 31)

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The Wonderful Bag and What Was in It | Why Not Buy at Wholesale Prices GOLDEN-EYED PANSY



various other questions rained thickly upon him.

"My bundle? Oh!" he answered somewhat shamefaced; "No, I can't say I forgot it exactly. Perhaps someon here could take my turn,—you perhaps, Louise," and he turned, blushing scarlet, toward Louise, who, in her turn began to feel awkward and embarrassed.

"He must have heard what I said to Aunt Hester about feeling too curious to wait," she thought to herself. "He is really very kind."

But she had not much time allowed her to think about the matter, for the others bade her instantly fetch down her bundle, as they could not wait another moment.

She accordingly ran quickly upstairs,

HEN the children met together the next week, there was a universal shout of surprise, as Joe entered the kitchen emptyhanded, and with the most innocent air in the world.

"Where's your bundle? It's vour turn today! Did you forget it?" These and various other questions rained thickly upon him.

very ugly but for her wonderful gleaming eyes, that glistened like the purest gold. She was a clever child, with a loving heart, and helped her mother as much as she could; but one day the poor widow felt so ill that she could not rise from her bed, and she called the little girl to her side.

"Dear Pansy," said she, in a faint voice. "You must go to the recent term

side.

"Dear Pansy," said she, in a faint voice, "you must go to the nearest town for me, and fetch the doctor; take some bread and a sup of milk with you, for you will not get home until nightfall."

Pansy's golden eyes filled with tears, for she loved her mother dearly, besides she trembled at the thought that her journey lay through the frightful wood, as she had never before ventured to do more than peep through the opening, it looked so dark and fearful.

But now she put on her little shawl, and, taking a dry crust and a can of milk, passed with a beating heart out of the bright sunshine into the darkness and silence.



"She held out her arms, the hare jumped in."

and soon returned with it; in an instant | and soon featured with it; in an instant eager fingers were helping her undo the knotted string, and a little box was disclosed, which, on being opened, was found to contain, nestling in pink cotton, a charming brooch in the shape of

touched to contain, hesting in pink cotton, a charming brooch in the shape of a pansy.

Louise, spite of the jewelry she already owned, was greatly pleased and touched by Aunt Hester's loving gift to her; and, after it had been duly admired, she drew forth from beneath the box some sheets of closely written paper, and begged her aunt to read them aloud.

Her and couplied and stone began Her aunt complied, and at once began

"Golden-Eyed Pansy"

A little thatched cottage stood at the entrance of a dark wood, and in it lived a poor widow and her little daughter Pansy.

Vick's three years Only One Bellar

Vick's three years Only One Bellar

run, she soon found it as much as she run, she soon found it as much as she could do to pick her way along, and her little feet grew bruised and weary. But, strange to say, the way was no longer dark, for the light streamed so from her golden eyes that all the animals came to look at the wonderful sight.

"What does this mean?" said the blue jay to his neighbor, the crow.

"It seems as though there were two baby suns, like the one out in the world, but traveling along much quicker than their old father," answered the crow, with his head on one side, and he flew along above Pansy's head, crying, "Caw!

along above Pansy's head, crying, "Caw! Caw!"

But the child did not understand bird language, and she only felt a little frightened at the great black creature, and hurried on with a wildly beating

a lion came to peep at her through the trees, and he was so aston-ished that he gave a great roar, which

(Continued on page 35)



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IN THE GARDEN



CONDUCTED BY JOHN ELLIOTT MORSE.

February Days and Duties

It is well thus early to take soundings

It is well thus early to take soundings and study our bearings, in order that a little later on we may be fully established and ready for the first call and beck of spring.

February is here—the last in the train of winter months that were sent to give the earth repose. We sometimes call it cold and stern; but many joys from winter flow. So while the slumber robe of winter has been resting on the earth; we hope that the minds and hands of the Vick garden forces have not been idle: we hope that the minds and hands of the Vick garden forces have not been idle; but have been planning and working for more and better gardens than ever before. Nature will be waking from her winter sleep ere long; and old earth will again spring forth to life and beauty like a "giant refreshed with new wine." So "come now, and let us reason together," and see if we may not make the garden enterprise all that it deserves to be: a source of pleasure and profit, a retreat from the ills and an escape from the doctor bills. the doctor bills.

a home supply, it goes without say-ing that the first early vegetables realize the high prices, if sold, and are expensive depended up depended upon for the table. So, in either case, it is well to plan for as liberal a supply as possible and aim to carry them by succession from extra early until late in the season.



Lacking green-house facilities, still much can be accomplished with

still much can be accomplished with hotbeds, and I recall one of the largest growers of vegetables under glass in a city of 400,000 who started with a few beds and noglass at all but simply cloth covers.

The possibilites of a single hotbed, with sufficient cold-frame space to run it to its capacity, are nearly incredible to one unaccustomed to the work. So, whether the garden area be large or small, there is ample necessity for the glass and the more that can be successfully managed the better.

Below, we offer some suggestions as to structure which, of course, may be varied to meet individual requirements and ability as to cash expenditure. Perhaps the most convenient size for sash is five feet six inches by three feet two inches. These may be purchased at almost any sash and blind factory, painted and glazed ready for use, or the latter work may be done at home to the saving of considerable cash expense. This size of sash will require four rows eight by ten of glass, six and one-half panes to the row. Three-foot sashes are also very desirable and will hold three rows of ten by twelve glass. They are preferred to the former by some, as the less center rails there are, the less shade will be thrown on the plants. of glass, six and one-half panes to the row. Three-foot sashes are also very desirable and will hold three rows of ten by twelve glass. They are preferred to the former by some, as the less center rails there are, the less shade will be thrown on the plants.

pine to taking chances with half seasoned timber of the former kind, as it is springing wood at best: a fault which causes much trouble in various ways. We prefer to do the painting and glazing at home and whenever this can be done it is advisable, as it can be done at odd times and thus at a saving. Then too, if there are handy boys in evidence, a little showing will soon fit them to do the work nicely besides being valuable training to them.

Four sashes of the first named size will

Four sashes of the first named size will cover a box twelve feet eight inches in length by five feet six inches in width and its possibilities, when rightly managed from early to late, are a revelation. In extensive operations, the boxes are often made very cheaply and to save material and labor in making are twelve inches high on both sides. When being filled for use, one side is tilted four or five inches resting on blocks or stones for carrying off the rainfall. This plan however is not desirable where but few beds are in use as the height is not sufficient to hold enough heating material for long continued use. A better one for all purposes is made as follows: The the doctor bills.

It is yet early, and hence, an opportune time to suggest plans for the first early work of the season and get the detail clearly outlined and well in hand. No matter whether growing for the market or merely a home supply, it

results catching the sun's rays and quickly carrying off the water. Each side should have three two by four posts, cut four inches longer than height of re-spective sides and the tops should be the tops should be cut same slope as top of bed. With the side boards nailed to top of posts the bed when set up will be four inches above ground, which gives more space for heating material and saves considerable fum-



twelve glass. They are preferred to the former by some, as the less center rails there are, the less shade will be thrown on the plants.

Cypress sashes are much used at present and, generally speaking, are preferred to pine; but unless perfectly seasoned and painted before exposing to the weather they are a failure. Personally I prefer the rails from springing out or in. Take the rails from springing out or in. Take heavy or medium weight sheeting and tack tightly to outside of rails. Paint with two or three coats of the following mixture: one thoroughly beaten egg to one pint of raw linseed oil. These covers are cheap and if well made will answer nearly every purpose of glass

Made the same size as sash they can be interchanged and are worth every year much more than the cost

Where to Place the Beds

For location, we like a warm all-day sun exposure, sheltered on the west and north. So if possible, select the south side of buildings or tight, high board fence. Locate the beds with length east and west so that we have the slope of the sash to the south. Remember that for best results the beds must have ideal conditions and any advantages of which the beds are robbed will be plainly visible in the final outcome.

Filling the Beds

The manure (preferably grain-fed horse or mule,) should be mixed with about its own bulk of straw or forest leaves, well shaken up and stored under cover to prevent leaching. Fork over occasionally to prevent heating.

ally to prevent heating.

A few days before using pile up the manure and tramp well together, to induce heating which will be readily told by the escaping steam. If the weather is cold pour on boiling water and cover with straw or cornstalks. When well heated through, fill into the bed and tramp solid, making sure that all parts of the bed are equally compact. Put on the sash or covers and let it remain until the heat is well started again, then cover with four or five inches of rich, garden soil. This should be sandy loam or clay loam well mixed with sand. Avoid clay as it will bake and the plants will never thrive.

If possible, allow the bed to remain undisturbed for a few days; except occasional airing to allow the rank heat to pass off. Thus the soil will warm evenly, and the weed seeds will germi-



Rhubarb Forced for Market

nate and be destroyed when the soil is raked over for sowing. When the temperature becomes steady at about 90°, perature becomes steady at about 90°, then wet the bed thoroughly, rake and fine the soil and it is ready for the seed with very little danger of burning provided it is kept well aired on sunshiny days. Of course, the beds must be banked with fresh manure from the ground level to top of box.

How Deep to Fill

With the simple twelve-inch boxes With the simple twelve-inch boxes described above, there should be several inches of well tramped manure placed on the ground before the beds are set. It will require at the very least, eight inches space between the heating material and glass for soil and plant space. The deeper the heating material the better and twelve inches is not too much for long continued and steady heat. So with the shallow boxes about the only remedy is to excavate or set the beds on a heavy foundation of manure. In hota heavy foundation of manure. In hothed work it pays immensely to give ideal conditions and place every possible advantage to the credit of the plants. So we must remember that perfection (or as nearly so as possible,) is the price

When to Start the Beds

This depends upon what we desire to This depends upon what we desire to grow. Onious for transplanting, radishes, early cabbage plants and lettuce will do well if started in February: better from first to middle of the month. This also will be none to early for the first tomatoes, as, if properly handled from the first transplanting on, they will be well budded or even in blossom by the time they can go into the open ground. The following data may be helpful: Farly cabbage and lettuce for transplant-

ing will stand pretty cool weather and some frost if well hardened off before removal to the open ground. They will require five to six weeks in the hotbed and cold-frames. Tomatoes will require seven to eight weeks. Egg and pepper plants grow very slowly at first and are also very tender. They will require seven to eight weeks and should not go out until the weather is fully settled and

There are no hard and fast rules as to time of transplanting. Very little will be gained by trying to rush the weather and the safer plan is hold the plants a little if necessary until they can safely go out. There is; however, an average date for every locality when it is ordinarily safe to trust the weather and plant the crops. For instance, we would say that in this latitude (Rochester,) it would usually be safe to plant corn from May first to fifteenth, and to transplant tomatoes from the latter date on. Then the time for other localities would vary from five to eight days later or earlier for every degree of latitude north or south from that point. This, of course, is only approximate; but ordinarily safe. There are no hard and fast rules as to

Economy of Space

In general, one hotbed will start as many plants as can be handled in three or four times the amount of cold-frame space and as cloth covers can nearly always be used for the latter, it requires always be used for the latter, it requires but little cash outlay to grow a larger amount of vegetables.

amount of vegetables.

Radishes of course, will mature in the hotbeds as also onion plants for the late crop. Green or bunching onions, however, may be grown in three to four weeks from setting out, and when removed the space can be utilized for other plants that require to be started later. Small onions from last year's crop can be utilized for this purpose. Set them closely together and cover lightly up to the crown, taking care that the spaces are filled. If watering (which they will require), causes the dirt to settle away, fill up with more loose soil, and the onions will mature rapidly.

In growing from the seed for trans-

onions will mature rapidly.

In growing from the seed for transplanting out of doors, the Prizetaker is best. If possible, procure river sand for this work and use but little if any more

this work and use but little if any more than an inch of it over the manure. In this way the roots will go down quickly to the manure, and the bulbs will round out and mature rapidly in the clean sand and will not be choked with weeds. Turnips halved and scraped out are excellent for starting the melon and cucumber seeds, and when ready for transplanting can be removed right in the shell and buried in the ground without danger to the roots. out danger to the roots.

When the earlier beds are vacated, if too late for the later plants as peppers, egg plant, etc., they can be planted to cucumbers and with good care and plenty of water can be made profitable.

Items of Profit

There is little danger of overdoing the plant business, as there are always hun-dreds of people who want the plants, but dreds of people who want the plants, but do not care to grow them. Tomato, early cabbage, pepper and egg plants are doubtless the best to grow for market purposes as they are always in demand at living prices. In a nearby town of less than 2,000 inhabitants there are eight houses growing these kinds of plants and the growers are never able to supply the demand. Of course, nearly all these growers have greenhouse facilities on a larger or smaller scale, but they can be grown in hotbeds and the hotbed work is a short cut to greenhouse operations.

As to Out Door Crops

It will always pay to test our seeds before planting time and be sure as to their vitality; so much loss in time and money is often met through poor seed. Shallow boxes or pans that can be put in sunny windows or any warm place are convenient. Put in garden soil and in sunty windows or any warm place are convenient. Put in garden soil and cover with cheese or other light, loose cloth, sprinkle on the seed and cover with another thickness of cloth and a little soil. Keep moist and moderately warm and in five to ten days, owing to kind of seed, they will have started sufficiently to ascertain their value. The

(Continued on page 32)



Plan for a Fruit Garden



HERE IS C. A. Green's plan for a fruit garden, which can be made smaller or larger as desired. Several kinds of fruit can be grown in each of the rows of trees. Several kinds of grapes can be grown in one row of grapes, and several kinds of berries in one row of berry plants or bushes. It is simply an idea which I desire to express in the engraving shown as to the laying out of a fruit garden so that it can be cultivated with a horse and cultivator same as a field of corn or potatoes. A fruit garden of the size illustrated should yield a revenue each year of \$500 or more. Can you imagine any addition to the farm which would be more attractive than such a fruit garden as this, especially for the wife and children.

In the background is a row of apple trees, king of fruit. These can be

this, especially for the wite and children.

In the background is a row of apple trees, king of fruit. These can be planted close to the highway by the fence. Have the soil about the roots well mulched with stones or strawy manure. As you face the garden, to the left is a row of plum trees, next to this a row of cherry trees, next a row of dwarf pear trees. In each of these rows may be a few trees of other fruits such as quince, apricot, etc. The next row is devoted to grape vines which can be trained to stakes or a trellis—the trellis is best; next to the grapes is a row of raspberries, next are red raspberries, next are blackberries, currants and grocesberries. gooseberries

Keep this picture of our fruit garden before you when making out your or-

Keep this picture of our fruit garden before you when making out your order which I assume you intend to mail to some reliable nursery men; the picture will aid you in deciding how many trees and plants to buy, and be of assistance to you in planting them. In making out your order do not forget the asparagus and the strawberry bed. In the picture the asparagus and the strawberry rows are placed between the rows of trees. The idea is to so plant this garden in rows that it may be cultivated with a horse and cultivator the same as corn or potatoes, which greatly lessens the amount of labor and expense. Leave room enough at both the rear and front of these rows of trees and plants so that the horse will have room to turn around in cultivating. cultivating.

Do not wait for spring before sending in your order for these plants and trees which you are to plant in your fruit garden. You need not necessarily pay for the plants and trees now, but you can make up an order and send it to the nursery with instructions that you will send on the money in names and addresses March or April before the package is forwarded.

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1 Shipper's Pride CHERRY TREES

1 Early Richmond 1 Montmorency
1 Black Tartarian 2 Lombard

PEACH TREES

1 Elberta 1 Late Crawford

1 Early Crawford

PLANTS 1 Niagara

PLANTS
12 Red Cross Currants 12 Eldorado Blackberries
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HAVING THINGS in this that you wish the hens to have HANDY IN THE POUL-TRY HOUSE

TRY HOUSE

The many little conveniences are what count in making poultry keeping pleasant and profitable, both on a large and small scale. Having things arranged so the work of caring for the hens can be performed in the quickest, easiest and cheapest manner. Persons who keep a flock of twenty-five or forty fowls and have business that calls them from home early in the morning and keeps them away all day, must have things handy or the work of caring properly for the fowls soon becomes a tedious job, and it's only a question of a few months when the work will be given up with disgust. So simple a little chore as giving water to the hens I have known to be done year after year in such a way as to make it a wearisome task. Cold days in winter we find a water dish set in one corner of the hen house where the fowls have scratched it half full of dirt and straw, making the water unfit for any purpose, and when we go to replenish the dish, it has to be taken outside, cleaned and rinsed before water can be put in it again for the hens. By nailing a small piece of board to the wall about one foot from the floor, supported by a short brace underneath, a shelf is made on which a water dish of most any kind may be placed. Then if an open water dish is used, another piece of board tacked just a few inches above the dish and slanting down, the hens will be kept from jumping on it. For inside use in winter I prefer an open dish, it is easier cleaned and handier, but for use in summer a stone fountain is about the thing. summer a stone fountain is about the thing.

Have the nests up off the floor, so as

the nests up off the hoor, so as not to tempt the hens to eat eggs, nor tear the nests to pieces by scratching them out. Trap nests are the most up-to-date and are the proper nests to be used by the busy poultryman. There are many plans for sale showing how to construct these nests or they may be used by the busy poultryman. There are many plans for sale showing how to construct these nests, or they may be purchased at a small cost already for use. With the poultryman who wishes to select out his best and earliest layers for keeping over, the use of a trap nest is a step in the right direction. Having the perches and platforms for the droppings so arranged, that cleaning can be easily and quickly done is an important matter. The platform should be high enough from the floor so that a box may be set under in front to catch the manure as it is scraped off. A box about three feet long, one foot or little more wide and one to one and one-half feet deep is handy to clean the droppings off in. Three or four inch holes bored in each end near the top, or a cleat nailed on, serves as a handle to carry the box by. A short handled hoe is a good thing with which to scrape the droppings off. Another filthy and troublesome thing is an open feed trough for soft food. This should have a cover of some kind, either a long narrow board or slats nailed over to keep the hens and dirt out, then

either a long narrow board or slats nailed over to keep the hens and dirt out, then by having two sticks a foot or so long nailed on the side of the room half way up from the floor, the feed trough can be placed on these and is out of reach of the hens when not in use. I generally feed the mash at night and just before time for going on the roost, then when I go around to close up for the night, I hang the feed trough up and it is kept clean and out of the way until wanted device for the busy man is a feeding machine. Place the amount of dry grain

in this that you wish the hens to have during the day, and that chore is done, and done better than you can do it by scattering the grain in the litter by hand, for by the latter way the hens soon scratch it all out and then loaf until you come around and feed them again. The hens, by working around the feeder, litter the grain out gradually and get it as wanted, and at the same time are kept busy all day.

Among some of the conveniences referred to, perhaps none are of more service to us than this plan of constructing yards for small chickens. It is often desirable to put up temporary fences when the chicks are coming on in the spring, both for brooder and hen raised chickens. Where the space is limited we frequently wish to give the chicks a run on a small fresh grass spot, and by having a fence that can be set up quickly and easily taken down and moved, quite a little time and labor is saved. Poultry netting two to three feet wide and of about one inch mesh answers the purpose very well, and by having some iron rods about one quarter inch in diameter and enough longer than the width of the netting to support it when driven in the ground, a fence may be set up in a few minutes and when done with in the fall, taken down, rolled up and put away. The rods if bent at top in ring form, are minutes and when done with in the fall, taken down, rolled up and put away. The rods if bent at top in ring form, are handier for pressing down in the ground, or may be left straight and driven down with a hammer. In putting up, run the rod, which should be pointed at one end, through the meshes, in and out, several times, then in the ground far enough to make it solid. This makes a substantial and trim looking fence for temporary use, and on village lots where room is scarce I find this plan of fencing very convenient. very convenient.

Hints for the Beginner

We have often read articles about how to run incubators and brooders, and conduct this or that kind of work about the poultry yard, when, after reading the same, knew no more about the work than before. Many writers of these articles know just how to do the work themselves, and do make a success of it, but they fail to tell the beginner in a way so that he can go on with the work successfully. They generally fall short in the little details that are all important in poultry raising. What the beginner really wants to know is the how of the business, and in this there are many little things that for the good of the beginner must be brought out in plain words. If we are to start in at poultry

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raising the first question that presents it-

raising the first question that presents itself is just "How shall I begin?"

"Shall I commence to hatch with hens or with incubators and brooders?"

"How shall I build houses, arrange windows and doors, etc?"

The most profitable number of fowls to keep on the space given, kind of breed and how to handle them for best results. Where to get such and such stock for these special purposes. Quantity and quality of food to give to get eggs that will hatch well, etc. etc.

As a beginner I would advise starting in carefully. Don't expect that you can jump right in among the most spopular and large breeders the first move. Your future success depends very much on

and large breeders the first move. Your future success depends very much on what experiences you have had in the past and whether you have lived on a farm or in the city.

Suppose one has had some experience on a farm and wishes to go into poultry raising as a business in connection with

on a farm and wishes to go into poultry raising as a business in connection with farming. In such a case a flock of fifty or one hundred head of laying stock would be about the right number to figure on the first year, bearing in mind that a small flock well taken care of pays

that a small flock well taken care of pays better in the long run than a large one left to take care of themselves.

In planning this work we must be guided by circumstances. If we have only a limited range then we must not expect to keep so many and do it successfully without giving them much more care and attention than if we had more room. In most every case a flock of fifteen to twenty-five hens do better than when larger flocks are kept. A common mistake is to build small tight poultry houses, then put in too many fowls. Better to build more open if it is always to be crowded. Another error is always to be crowded. Another error is in putting in too much glass. Some going as far as to almost make a greenhouse out of it. Cloth or muslin windows are quite common now, but they have their objections in that due and dist dows are quite common now, but they have their objections, in that dust and dirt collect on the cloth and prevent the light from coming in and admit too much cold air on very windy nights. Yet they keep the interior in excellent condition as to dryness.

I have an idea that both muslin and

I have an idea that both muslin and glass might work very nicely. Although I have never used the same. With this plan so much cold would not come in at night and on still days the glass could be removed, thereby admitting fresh air which will tend to keep the room dry. The question of ventilating and lighting the roulter hove is an incortant are

The question of ventilating and lighting the poultry house is an important one. Whether to buy an incubator and brooder, what size and kind is another question. If it is a broiler or market egg plant that we want, then the incubator is a necessity, or if one is in any branch of the business on a large scale, to hatch and brood in the natural way is a slow and unreliable way. It is difficult to the scale of the scale o slow and unreliable way. It is difficult to make a rule that will apply all around to the question. In some sections brooders are used more generally than incubators. Many hatch with hens and raise with brooders which seems to be quite a satisfactory way.

Ventilating the Hen House

Poultry houses are kept wide open the greater part of the time during mild weather, therefore the question of ventilation is not an important one during the warm season, but in this country there is so much of the time that the weather is not warm or even mild that, on the whole, ventilation is quite a serious matter. Just the reason why some poultry keepers batten, line and double board their poultry houses and then add ventilation by making boxes, etc. to extend through the roof, wall or floor is more than I can understand. A great many of these so called ventilators don't ventilate at all. They simply make a draft just where it is not wanted. Fresh air is a very necessary thing to have in the poultry house, but when it comes in the shape of a draft it must be stopped if the fowls are kept in health. The current of pure air which comes in through a ventilator is to be compared with the draft that would come down an open chimney, and the purifying effect of this stream of pure air on the great bulk of foul air is practically nothing. More than doing no good at all, it does harm causing the flock to have colds and roup. Poultry houses are kept wide open the Vick Publishing Co., Dept. V. Dansville, N. Y. roup.

Opening the doors and windows, as we do in warm weather, ventilates and puri-fies the air all through the house, and, fies the air all through the house, and, rather than to use such ventilators as a good many put in, I would open up the house, even in pretty cold weather. A house will air out as much in a few minutes on a cold day, as it would in several hours when the weather is warm. A good time to ventilate the room on a cold day is when the fowls are busy scratching for their morning meal.

Another trouble with ventilators is that they are so uncontrolable, and my experience has been that the damper serves of very little purpose in regulating the

perience has been that the damper serves of very little purpose in regulating the current of air coming in or going out. In fact the temperature has all to do with this. On a cold day there will be a strong draft through quite a small opening, while on a warm day the opposite will be the effect. A ventilator may be adjusted to suit the present conditions and within an hour there may

may be adjusted to suit the present conditions, and within an hour there may be a great change in the elements, and the hens have to take the consequences good or bad as the case may be.

My plan of building a poultry house is, in the first place to make it tight and warm, not necessarily double boarded and lined between, but made so as to admit no draft through any part of the building. Make the windows so they can be opened the same as in a dwelling house, either by lowering or sliding, then tack some good white cloth (muslin) on a frame made to fit in the opening, and except in severe cold weather ing, and except in severe cold weather this may be kept in the window. There will be a current of air passing through this cloth, but not in the shape of a draft this cloth, but not in the shape of a draft as through overhead ventilators. When the wind blows a gale against the windows, the cloth frame may be removed and the windows closed. If it is at night and there is a hard cold wind blowing, I would close the windows and drop a curtain down in front of them. This will help to keep out the cold which comes in through the glass. Filling the loft with straw helps to keep the room dry. After fixing the house in this manner, if the walls continue to be damp and the litter packs down and seems wet you can make up your mind that there are too many fowls in it for the size of the house.—

Questions Answered

I shall start a small incubator soon and

I shall start a small incubator soon and would like to ask if it is necessary to remove the unfertile eggs at once, or may I leave them until towards the end of the hatch, and when should I test them first?—Mrs. S. H. H., N. Y. Unfertile eggs and those containing dead germs should be taken out as soon as detected, for the reason that fertile eggs generate heat, while the unfertiles do not, and in this way, when they are mixed through, it is not likely that all fertile eggs will be of the same temperature.

In testing eggs an experienced person can pick out the unfertile eggs at the end of the fifth day. In a clear white shelled egg a spider-like formation may be seen on the third day. If you are inexperienced and have colored eggs I would suggest testing for the first time at the end of the seventh day, then leave the doubted ones in until the second test.

To Get Fertile Eggs and Good Hatches

In order to get good results at hatching time, there are several points to look after. First is exercise for the breeding stock. A hen that is fed good, sound food and made to dig and work in a dry litter for a large part of her grain will be in better condition to produce strong fertilized eggs than one that stands around and eats her food froin a pan or trough. Some animal food is quite necessary two or three times a week, but be sure that it is of good quality, about ten per cent may be given with good results. Fresh cut bone and meat is the best of animal food that can be given. ten per cent may be given with good results. Fresh cut bone and meat is the best of animal food that can be given. I always feed sparingly of mashes or soft food during the breeding season. Gather the eggs regularly and often, even in mild weather it is better to take care of them promptly. While an egg may endure considerable cold and still hatch,

(Continued on page 29)

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Recipes for the Household

A Chapter on Breadmaking

Perpetual Yeast

Three medium sized potatoes boiled and mashed fine, three tablespoonfuls of flour, three tablespoonfuls of sugar, two tablespoonfuls of salt, one cake of yeast foam, or any good yeast, one pint of water, (use the water the potatoes were boiled in). Stir well. Let this stand until it gets light and bubly in a warm place. Then keep where it won't freeze in the winter, nor yet too warm in summer. When I wish to make bread I take the same amount of potatoes, flour, sugar, salt as in recipe, and about two quarts of water. When luke warm add your starter. Let stand until a spongy scum rises to the top. Then save out one pint for the next time and mix up the rest for your bread. If at any time it gets dead, add a yeast cake.—G. F. B.

"Starter" or "Liquid Yeast"

To make the "Starter" or "Liquid Yeast" use one large potate Yeast' use one large potato, cooked and mashed, one tablespoon salt, two tablespoons sugar, one pint strong hop water. Let stand five or six days or until it ferments. Then keep in a cool place in a Mason fruit jar till needed.

To Make Bread From "Starter"

Boil three or four potatoes, mash fine. Add two tablespoons salt, four tablespoons sugar, two quarts luke warm water. To this add the above "Starter." Let stand over night. In the morning dip out enough to keep as your "Starter," thicken the rest with flour to make medium stiff batter. When light mold hard with flour and proceed as with ordinary light bread. This is excellent.—A. J. O.

A New Idea in Breadmaking

I have a gallon jar in which I store potato water (water in which pared potatoes have been boiled.) On the evening before baking, I take three cups of buttermilk and about the same quantity of buttermilk and about the same quantity of potato water and put it into a stew kettle. Let it heat until the milk curdles then pour into a crock and stir in flour until a rather stiff batter is formed. Then put in good yeast and salt. Stir and let stand until morning. In the morning take out a cupful of sponge for yeast for next baking. I then knead the remainder, let rise, mould into loaves, let rise and bake. Bread made in this way has a finer flavor and does not dry out as when mixed with water alone.—L. E. L.

Busy Wife's Bread

At noon put one yeast cake into half At noon put one yeast cake into half bowl of warm water and when dissolved thicken with flour. Save the potato water and mash six or seven medium potatoes, put the water and potatoes into a two gallon jar and pour in enough warm water to make a gallon. Then put in a big handful of sait and two-thirds cup of sugar. When the yeast cake is light, pour it into the prepared potato water and set in a moderately warm place for two days. two days.

To make the bread, take one cupful of To make the bread, take one cupful of the yeast for one loaf of bread, a little more salt and mix into a loaf, put in a teaspoon of lard after you get it onto the kneading board and knead until it is smooth and firm, then put into the bread tin and let it rise. Have the oven hot put the loaf into the oven and leave the door open five minutes then close door and bake a nice brown.

family is very small, by the time we have eaten one loaf the other is beginning to get dry, so I wet it all over put it into the tin, bake in a hot oven about the or fifteen minutes according to size, then wrap in a damp cloth and it will be just as nice as when first baked.

The damp cloth softens the crust which otherwise would be harder than when new.—G. I. N.

Graham Bread

For three medium size loaves take one-half cake of yeast foam, or any kind of yeast preferred. Take two or three stirring spoonfuls of graham flour and scald with potato water, also add a few pieces of potatoes to it. Add salt and sugar to taste. Then add your yeast and let rise until morning, then thicken with graham flour again, then when raised it is ready to work. This time add a little sweet cream and about a tablespoon of molasses, stiffen with white flour or part of each according to how dark you like it, then when raised again form into loaves and when raised again about as white bread it is ready to bake. Grease top with butter when put in pans and it's just fine. Wheat must be ground very fine and left whole without any sifting.—M. A. G.

Ways of Utilizing Old Bread

In our modern American household it In our modern American household it seems to be very difficult, in fact almost impossible, to dispose of bread after it has become at all hard, although it might insure stronger teeth and healthier bodies if we ate more of it. But, as the facts stand, the great question in many homes is how to utilize bread which, though sweet, is too hard for acceptable table use. So I will give a few tested ways.

ways.
Crummets;—Break the bread in small pieces, pack in a basin, cover with sweet milk and let soak until softened. Then mash thoroughly, season with salt, pepper, sage and summer savory, add one egg to every pint of bread and flour enough to make a rather stiff batter. Fry in salted hot lard, or butter, and serve hot.

enough to make a rather stiff batter. Fry in salted hot lard, or butter, and serve hot.

Egg Toast;—To four slightly beaten eggs add one-half cup of milk (sweet), and one-half teaspoonful of salt. Dip the slices of bread in this and fry in hot salted lard, or butter, and serve hot.

Molasses Toast;—This is made in the same way as the egg toast, except that the slices of bread are fried in molasses, boiled rather thick, with a little butter added instead of using eggs.

Milk Toast;—Put a quart of milk into a double boiler, heat scalding hot and thicken with a batter made of two table-spoonfuls of flour, one teaspoonful salt, and cup of milk. When thickened pour the milk over nicely toasted bread. Very nice to eat with fresh apple-sauce.

Do not be wasteful of bread. Save all pieces in a paper or cloth bag. When thoroughly dry roll fine and place in a glass can. Do not cover too closely. These crumbs will be found invaluable for puddings, scallops, and in molding croquettes. They are always ready and if kept in a dry place will be nice and fresh.—J. W. S.

Hot Cross Buns

The bun you buy at the bakers, can't compare with the home-made articles. The following is an old recipe, and a good one:

tin and let it rise. Have the oven hot put the loaf into the oven and leave the door open five minutes then close door and bake a nice brown.

Busy housewives try this way of making bread and you will find you have lovely light bread and so easily made.—U. K. D.

Re-baking Bread

Have any of the readers of Vick's Magazine ever tried re-baking bread? I make two loaves at a time and as my

anyone with to receive by return mail, FREE TO TRY, a DOLLAR PACKAGE of Dr. Van Vleck's wonderful 3-fold Absorption Treatment, together with our valuable new book in colors. (All plain wrapped).

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Compiled from Various Sources

For polishing lamp chimneys, windows

and stoves, nothing excels them.

To clean glass water bottles or any kind of bottle or cruet, tear up a newspaper into shreds. Put this in the bottle. Pour on it some warm soap suds with a pinch of soda added. Shake

Put papers between your flower plants

and the windows on cold nights.

Put newspapers between comforters on beds on cold nights. They are light and hold the heat.

Put newspapers under the carpets. When you clean house take up your carpets, roll up papers and dirt with them. It saves work.—M. M. M.

I use newspapers to cover the top of the kitchen table when cooking a meal. After your work is done gather up the paper and throw it away and underneath is a perfectly clean table.

is a perfectly clean table.

Wet newspapers, tear them into shreds and throw them on the carpet before sweeping, the dust collects on them instead of flying in the air, besides making the carpet look brighter.

Cut newspapers into small pieces and stuff hammock pillows with them.—M.

The uses of old newspapers are so manifold not one should be allowed to go to waste. Woolen clothing thoroughly cleaned and securely wrapped in newspapers is perfectly safe against the ravages of the invidious moth, and lacks the disagreeable odor of the various preventions in common use

Fastened across the shoulders and chest before putting on one's coat the newspaper makes an excellent protection against cold when obliged to be out for

against cold when obliged to be out for any length of time.

It is a fine polisher for windows and mirrors and equally good to rub the stove with. It is a good idea to remove the grease from cooking utensils, inside and out with a piece of newspaper, before putting them into the dish water.

A fresh lining daily of newspaper.

A fresh lining daily of newspapers in the garbage can keeps that vessel sightly

and sanitary.

Several newspapers spread around the sink while dishwashing is going on is a better plan than having to wipe that part of the floor with a mop several times a

day.

Spread a newspaper under your lamps when filling them, and lay one on top of your table to catch vegetable parings. It is much easier to catch up the paper and dispose of its contents than to clean the table again or wash another receptacle. And so on, ad infinitum. Always keep a pile of newspapers at hand.

-K. W.

You can save soap and chamois skins and keep your brass, nickle and copper, faucets, teakettles, tea and coffee pots and nickle on stoves bright as polished gold and silver all the time by polishing them with old newspapers. Clean them thoroughly and immediately polish them with the old newspapers, then each day afterwards, (preferably after dishwashing in the morning,) rub each up a little with the papers; only a few seconds required, when it is done every morning. Notice how they will shine and never get tarnished.

After polishing these, use same paper to rub over the top of cooking ranges. You won't have to black with stove polish except once in a while, especially if you use the coffee left over after breakfast to wet an old rag and wipe over the top of range, and then polish with the newspapers, thus saving stove polish and hard labor.

Then throw the paper into chip basket to help kindle fire in the range in the

The Ever-Useful Newspaper | board next the sink, by putting fresh clean papers every morning on it and setting the dishes on that, as we take them from the dining room and again after washing and wiping, before taking

to pantry.

On the shelves of our tin closet we put papers and save the scouring of those. They are always clean; these are some of the many uses of old newspapers that save much work.—E. C. M., Topeka,

Useful aggestions for the Housekeeper

A good remedy for a wasp or bee sting is to apply dampened soda. Tobacco cut fine is also very soothing and will counteract the poison.

Take wood ashes and common salt equal quantities, mix cold water with them. This forms a cement which is good to mend cracked stoves. Put this on the broken parts when the stove has entirely cooled off.

Castor oil rubbed often on leather furniture keeps it soft, makes it wear better and restores its polish.

White Persian lawn and other summer fabrics will retain their freshness and not become yellow if wrapped carefully in blue paper, and between the folds of the goods lay lumps of white wax.

To paint tin ware. First roughen the surface with pumice stone or coarse sand-paper, then apply shellac varnish.

A tablespoon of olive oil, taken twice A tablespoon of olive oil, taken twice a week, will prevent appendicitis. To render the dose more palatable, make a glass of lemonade, divide this into two parts, put the olive oil in one half, and on this pour the other half glass of lemonade. Drink quickly.—Elizabeth Gallaher Levy

Uses of Sawdust.

Many are the uses of sawdust. In the days when the sawdust wagon made its lumbering rounds through the streets of most large cities, two commercial uses of sawdust were to sprinkle floors and to shelter lead pipes from cold, and glass bottles from breakage.

bottles from breakage.

Near every sawmill was a vat for the sawdust and it was carted away free by anyone who had any use for it. In this era of the use of by-products sawdust has a commercial value. It is no longer given away, but is sold.

One of the recent uses of sawdust is its distillation, resulting its coefficients.

distillation, resulting in acetic acid, wood naphtha, wood alcohol and tar. Sawdust may also be burned in special furnaces or mixed with other material

Sawdust, when saturated with chemical, Sawdust, when saturated with chemical, can be effectively used in the manufacture of explosives, but it is more particularly in demand in paper making than for any other purpose. Such a thing as sawdust on the floor of a room as a substitute for a rug or carpet is now practically unknown. Sawdust has joined sand in this respect.

Cotton felt has been substituted for sawdust as a non-conductor of cold in

sawdust as a non-conductor of cold in winter. Gas can be made from sawdust. this also used for briquettes, i. e., blocks of compressed sawdust and wood chips burned for fuel. Even in the protection of glassware against breakage, sawdust has been superseded by excelsior, sawdust being regarded as too valuable for such use

A Good Thing to Know

"I have had quite a little experience with the different ways of removing ob-structions from the throats of choking cattle, and find that a short piece of rubwith the newspapers, thus saving stove polish and hard labor.

Then throw the paper into chip basket to help kindle fire in the range in the morning. We save scouring our draining ment."—Farm Journal.

When you have a Bad Breath-Wake up!

MAKE Up! It's time to take a Cascaret. -When the friend you speak to turns his face the

- When your tongue is coated.

-When you have Heartburn, Belching, Acid Risings in throat,

-When Pimples begin to peep out,

-When your Stomach Gnaws or Burns,

-That's the time to check coming Constipation, Indigestion and Dyspepsia.

One single Candy Cascaret will do it if taken at the right minute, just when you first feel the need of it.

Do it now!

other way.

Cascarets don't Purge, nor Weaken, nor waste Digestive Juices in flooding out the Bowels, like Salts, Castor Oil, "Physics."

But, - they act like Exercise on the Muscles that shrink and expand the Intestines, thus pushing the Food on Naturally to its Finish.

When your Bowel-Muscles grow flabby they need Exercise to strengthen themnot "Physic" to pamper them.

Cascarets provide the bracing tone that is needed specifically by the Bowel-muscles.

Then carry the little ten-cent "Vest Pocket' box constantly with you, and take a Cascaret whenever you suspect you need

One Cascaret at a time will promptly cleanse a foul Breath, or Coated Tongue, thus proving clearly its ready, steady, sure, but mild and effective action.

Have the little 10c Emergency box of Cascarets constantly near you!

All Druggists sell them-over ten million boxes a year, for six years past.

Be very careful to get the genuine, made only by the Sterling Remedy Company and never sold in bulk. Every tablet stamped "CCC."



This valuable medical book tells in plain, simple language how Consumption can be cured in your own home. If you know of any one sumption, Catarrh, Bronchits, Asthma er any throat or lung trouble, or are yourself afflicted, this book will help you to a cure. Even if you are in the advanced stage of the disease and feel there is no hope, this book will show you how others have cured themselves after all remedies they had tried failed, and they believed their case hopeless.

Write at once to the Yonkerman Consumption Remedy Co., 1427 Water Sreet, Kalamazoo, Mich. and they will gladly send you the book by return mail free and also a generous supply of the New Treatment, absolutely free, for they want every sufferer to have this wonderful cure before it is too late. Don't wait—write today. It may mean the saving of your life,

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the Basket Washing Machine" and cheapest machine in the and I am honest in that state- reason I believe it is because t another machine made that shing and do it good in so short for \$3.50."

"I'll Send and Pay the Freight on a Basket Washing Machine to any point E as t of the Mississippi for \$3.50."

Mayor Tunnington.

ere is not another machine made that ere is not another machine made that if do a washing and do it good in so short for \$3.50."

Yes, I'm Mayor of Fremont, Ohio.

Am Mayor Tunnington.

Am Mayor how; and it is because I'm

Mayor Tunnington.

Am Mayor how; and it is because I'm

Mayor Tunnington.

Am Mayor how; and it is because I'm

Mayor Tunnington.

Am Mayor how; and it is because I'm

Mayor Tunnington.

Am Mayor how; and it is because I'm

Mayor Tunnington.

Am Mayor how; and it is because I'm

Mayor Tunnington.

Am Mayor Tunnington.

Mayor Tu

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Elizabeth Savage

By R. S. McKenney



his patient little wife. She had run down town to the furniture store for awhile, to decide upon her curtains for her parlor—a thing she knew he could not do; so in her absence he thought he would show how diligently he had worked.

In the kitchen, at least, he felt he was safe in assuming the responsibility of making things as convenient for her as possible. Stepping in, his eye fell upon the broom. It was a "new broom" and had not yet found its place. Drawing out a nail he measured a convenient height from the floor and drove it in place. The spot that he had chosen was not in a corner, but in a very conspicuous part of the side kitchen wall.

Here it would be just where his wife's eye could fall upon it, and she would not have to rummage behind doors, nor stand upon her tip toes to take it down. It hung there in all its innocent simplicity—a symbol of womanly industry and cleanliness.

After putting in place a few needful articles, and feeling that he had made excellent success of the kitchen, he drew down the shades till it assumed a pleasant, cool appearance, and passed out to the garden where he began to arrange some of the plants his wife had brought

ILL WAS wandering around with the hammer in his hand, anxiously wondering where he could drive another nail to aid his patient little wife. She had run down town to the furniture store for awhile, to decide upon plished their with from their old home—among them some choice and beautiful roses.

Elizabeth and Will had always been very anxious that they should have a home of their own, and now after twelve years of married life they had accomplished their wish.

"We don't want to be always fixing up other people's places, Will. You as well as myself are crazy for flowers.

We—"

CURE CANCI

My Mild Combination Treatment is not a NEW Remedy. It has the Experience of Years back of it and has Cured Hundreds of Cases where the Hand of Death seemed to have forever closed upon them

I have spent my entire professional life in the treatment of Cancer, I have so perfected my Mild Combination Treatment that it is free from pain. It quickly destroys the deadly Cancerous growth and at the same time eliminates it from the system, thus preventing a return of the disease.

My Mild Combination Treatment has removed Cancer from the list of deadly fatal diseases and placed it among the curable. This is especially gratifying when it is known that Cancer is increasing at an alarming rate, the disease having quadrupled itself in the last 40 years, statistics showing that it alone causes 100,000 deaths yearly in the U. S.



THE KNIFE DOES NOT CURE CANCER.

Any doctor who uses a surgeon's knife in an attempt to cure Cancer is performing an act little short of criminal. The patient surfers untold agony, and after a short time finds him self in worse condition than before the knife was used.

Operations are not only unnecessary in giving relief for Cancer, but they produce most serious after-results. It is utterly impossible to know when all the diseased cells have been removed for the reason that the blood flowing from the fresh wound prevents the surgeon from determining the result of the operation. If you value your life, avoid the knife!

PAINFUL TREATMENT UNNECESSARY.

There is no necessity for the patient, already weak from suffering, enduring the intense pain caused by the application of caustics, burning plasters, firey poultices, etc. I have cured many hundreds of the most advanced cases of Cancer by my Mild Combination Treatment without giving the patient pain or inconvenience.

CANCER ON FACE CURED IN 2 WEEKS | CANCER ON NOSE CURED IN 2 WEEKS



no sign of the disease since."ENIC WILLIAMSON, GLASCOW
KANSAS.

CANCER UNDER EYE CURED IN 3 WEEKS



"For two years a Caneer on my nose made steady progress, also another in corner of eye. I heard of Dr. Johnson and tried his treatment. In two weeks time I was well and am still well. Dr. Johnson is a gentleman through and through."—RO BERT HAMILTON, DERBY, KANSAS.

CANCER ON NECK CURED IN 5 WEEKS

"I had guite a large Cancer on my neck, besides several smaller ones. I tried every kind of treatment, including X-Ray, without benefit, Dr. Johnson's Mild Combination Treatment cured me in five weeks. Am in better health now than I have been in years. My Idends think it wonderful."
MRS. M. C. HOLMES, HAVELOCK, NEBRASKA.



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I have so perfected my Mild Combination Treatment that patients may use it at their me with as good results as though it were applied at my offices. I will gladly furnish to bry sufferer positive and indisputable proofs that my treatment does cure Cancer. I will mish ample evidence of my integrity, honesty and financial and professional ability. No tter how serious your case may be—no matter how many operations you have had—no tter what treatments you have tried—write for my book, "Cancer and Its Cure." It will styou nothing and will tell you how you can be cured at home. Address,

DR. O. A. JOHNSON, Suite 315, 1233 Grand Ave., KANSAS CITY, MO.

Thave you a friend suffering from Cancer? Do them a favor they'll never forget by sending them this ad.



"Elizabeth Savage" Roses







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Jacks & Mules

KREHLER'S JACK FARM, West Elkton, Ohio. Watches at Wholesale prices, send for price list. C. L. Slade, Dept. V., Saratoga, N. Y.

welve years, and still thrived.

Within, the little home was ideal, and Will was determined that all the work should be made as easy as possible for Elizabeth. She had so patiently put up with many household inconveniences in other people's "rookeries" as she called them. In his man's way, thinking he knew more about how to economize labor than a woman, he had too often tried his wife's patience by suggesting ideas that to her, from the labor-saving, as well as the artistic, point of view, were so absurd as to to call forth slight exclamations of dismay. Will always fook this as well as the chiding which followed, in his quiet, good-humored way, and always allowed the little storm to pass with only a loving remark, that held just a hint as to the sufferings of a martyr therein, or a still more affectionate deed of deliberate forgiveness.

Elizabeth walked briskly up the garden path and entered by the side door.

Elizabeth walked briskly up the garden path and entered by the side door. How cool and refreshing the kitchen was! Will had been just as thoughtful as usual during her absence. He was always so considerate to save her any unnecessary physical exertion.

She glanced around. It all looked charming—when suddenly, she gave a little grasp, followed by a half dismayed, half angered exclamation.

"William St. Moore! What ever in this world did you do that for?" Will emerged from the sitting-room. Had his kindly intended actions been again misunderstood?

There stood Elizabeth in the center of the kitchen floor with her arm extended;

the kitchen floor with her arm extended; the hand from which the glove had been the hand from which the glove had been partly removed, pointing to the side wall, the finger shaking at the "new broom." "Will! Will! The new wall! A huge nail driven just there. The most conspicuous place in the whole kitchen. Oh, Will! The new wall!" Will's hands were driven deep in his pockets. He stood first on one foot then on the other, and the martyr-like look on his face was most appealing—to anyone but Elizabeth!

on his tace was most appearing—to anyone but Elizabeth!

Elizabeth had stepped quickly forward
and taken he broom from the place.
The nail st instantly and indignantly
removed. She looked at the hole in the
wall, then at Will, and shook her head.

"Come here, William, and look at
that hole. The new plaster, and so nicely
tinted, too. How shall we ever hide it?
Oh, dear!"

She passed on into the sitting-room
and proceeded to remove her wraps.
Will slipped out to the garden. He
stood for a moment digging hard at the
roots of a bush, all unconscious that in
another moment it would fall. He must
manage to cover that hole somehow, and
in such a way as to be sure of forgivemanage to cover that hole somenow, and in such a way as to be sure of forgiveness. As he dug, his eyes were roaming over the garden. Suddenly they stared at something and instantly a merry twinkle came into them. He had it! That would be just the thing.

Those roses! Plucking a beautiful

to put the plants that had traveled with them from place to place in the last twelve years, and still thrived.

Within, the little home was ideal, and Will was determined that all the work should be made as easy as possible for Elizabeth. She had so patiently put up with many household inconveniences in other people's 'rookeries' as she called them. In his man's way, thinking he been rather hard. She certainly had not spared his feelings in her apparent disgust at his attempt to be useful. Now she did not regret it at all—it had evidently not affected him much, if he could so soon be gayly whistling away. She could probably fix it so it would not be very noticeable. Still it would always be a patch.

As she stepped into the kitchen, the sight that greeted her was almost as startling as what she had seen before.

From the hole hung an exquisite bunch of "Elizabeth Savage!" She said the name with an emphasis on the last word and then she burst into a merry laugh, turned, and went laughing all the way

turned, and went laughing all the way to the garden.

to the garden.
"You dear old fellow. You couldn't have done it more delicately."
She put her hands up and pulled his face down to hers.
"Forgiven? Yes."

A gentleman driving an automobile on a country road, met an old-fashioned high carriage in which was an old-fashhigh carriage in which was an old-fashioned couple. They jumped to the ground and the automoble came to a halt. The gentleman of the car stepped forward and offered to help lead the horse past the machine. "Oh, never mind the horse, never mind the horse," said the old gentleman. "You lead the old lady past that thing, and I'll get the horse by all right."



Vick's three years Only One Dollar

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As a Conservative Business Man I tell you that we can do it in Cobalt-the richest silver mining district in the History of the World.

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HERE is a chance to make a big income for life by investing in a legitimate mining property-safesound-honestly managed-backed by men of the highest character—who put their own money into the purchase of a big tract of land in the heart of the Cobalt mineral district, within gunshot of big producing mines such as Nipissing, Temiskaming, LaRose, Foster, and other famous mines that are making enormous fortunes for their owners.

What I Saw in Cobalt

Opportunity of a Lifetime

pportunity of a Lifetime re of these fasts I determined to act quickly, I returnscured the expert services of Mr. H. E. Weatherbee set mining engineers in the country—and with Mr. d anable corps of assistant engineers I returned to
careful inspection and investigation, myself and my
ted 560 acres of the richest land in the district of
tated in the heart of the sliver producing section—
ge of well known producing and shipping mines.

I Took No Chances

y holdings.

ter purchasing 560 acres of rich mining property,
ned a holding company, viz: The Cobalt Mutual
mpany—composed of a number of well-known
al and business men who are associated with
management of my property,

Until February 20th, 1907

NOTE-If you are interested in this wonderful chance to make a fortune, you might like to see a sample of the silver-bearing ore from my

The Cobalt Mutual Mines Company's Claims

are five in number, covering 560 acres richly mineralized lands, affording ample space for 100 working shafts and tunnels.

Title is perfect. In Canada all mines are carefully examined by Government Inspectors, and no claims are allowed unless approved of by the proper Government officials.

Present Development.

Present Development.
On Lot 1, Concession 4, Bucke Township, several large and heavily mineralized veins have been found. At the junction of these veins the shaft is now being sunk, and shipping of high-grade ore will be a matter of only about four months. On Lot 7 many large, strong fissure veins have been prospected, and No. 1 vein has been traced and tested for over 300 feet. It will be one of the heaviest producers in the district. On vein No. 1 tunnel is now being driven to penetrate the vein about 80 feet from the outcrop. This will give more working depth than has been found in any property in the district without a shaft. High-grade ore will be shipped from this vein in less than 90 days. As soon as the weather perruits the entire acceage will be prospec. 21 and future work will be rushed.

Business Methods.

Business Methods.

Business Methods.

The Cobalt Mutual Mines Company is organized on strictly business principles. We are going into the mining proposition at Cobalt with the same care and caution and the same methods as we would go into any manufacturing or other business enterprise. First we secured enough land to be sure that we had a property that could be mined for years, and we now intend to make money out of it for our stockholders.

Directors and Officers.

money out of it for our stockholders.

President, W. V. Coons; Vice-President, Isaac Davis; Sec'y, and Treas, Fred Edwards; Supt., John H. Fogg; Engineer in Charge, H. E. Weatherbee, Directors: R. G. Hemingray, Muncie, Ind., Pres. The Hemingray Glass Co.; Frank C. Caine, Cleveland, O., Pres. National Concrete Fire Proofing Co.; W. V. Coons, Cleve-

ing shafts and tunnels.
land, O., W. V. Coons & Co., Bankers;
R. W. Harris, Streator, Ill., Gen'l Mgr.
The Illinois Light & Traction Co.;
Isaac Davis, Findlay, O., Wholesale
Seed & Wool Merchant; J. M. Barr,
Findlay, O., Pres. The Producers Co.;
J. C. McDowell, Pittsburgh, Penn.,
Vice-Pres. Union National Gas Corporation; James B. Hoge, Cleveland, O.,
Sec'y United States Telephone Co.;
Fred Edwards, Cleveland, O.,
The officers of this company are well
and favorably known and are men of
substance, character and standing in
the community. An investigation will
reveal to any investor the fact that the
directors and officers are entirely reliable.

Fortunes In Cobalt Stocks.

The Temiskaming and Hudson Bay stock sold as low as 40 cents per share, now sells for over \$100 per share, and has paid about 4,000 per cent in divi-dends.

now sells for over \$100 per share, and has paid about 4,000 per cent in dividends.

The stock of the Nipissing mine sold below par afterward advanced over 675%.

The stock of the McKinley-Darragh-Savage was put on the market at \$1,35 per share (par \$1.00) and advanced to \$4.00 per share.

The stock of the Foster-Cobalt started at 80 cents per share and advanced to \$6.00 per share.

The stock of the Right of Way mine has had a very great advance, It is reported that \$130,000 was taken out of a narrow trench less than 30 feet in length, and not more than 10 feet in its greatest depth.

Remember—only 462,000 shares offered, par value \$1.00 a share—fully paid and non-assessable. This is positively all the stock that will be sold at 25c a share, and this offer is for a limited time only. Don't wait until too late to take advantage of the low price.—which will increase 40% on Feb. 20th. This is not a "paper" mine nor a wild-cat speculation—but a safe business venture—an investment in 560 acres of land of absolutely proved value.

We advise you to telegraph orders for stock and forward remittances at once, as there is every indication that the entire allotment of shares to be sold at 250 a share will be largely over-subscribed. Prospectus and additional information will be sent on application. Address all letters, telegrams and remittances to

W. V. COONS, President, W. V. Coons & Co., Bankers, Bend Dept. 37, Cleveland, Ohio.
REFERENCES—Any bank anywhere—or Dun's or Bradstreet's Agencles.

In Late February

By Clarissa White

By Clarissa White

A blinding snow falls fast,
The air is bleak, and cold;
I plod along with weary steps,
My heart is dull, and old.
When lo! a winged fire;
And hark! a thrill of song;
'Tis he—my Cardinal—the first
Of spring's glad herald throng.
O ardent, swift, bright bird!
With call of love so cleat;
Once more, the saddened heart of earth
Echoes your note of cheer:
And vows of love, and lovers all
That life is sweet, and dear;
That Cardinal is prophet true;
That spring is here—is here!

Suggestions for a Valentine Party

A very pretty and rather unique form of invitation for a Valentine Party, can be made of white cardboard cut in the shape of a heart. Have these large enough to contain a verse written on one wide of the heart. side of the heart.

For example

"If perchance you have in mind,
That you would like a valentine—
Meet me next Thursday night at eight
When you can find and choose your
mate."
—Cupid.

The verse should be written in red ink. In one corner of the heart have two small red paper hearts pasted close

ink. In one corner of the heart have two small red paper hearts pasted close together, rather overlapping each other and in the other corner have it numbered beginning with the number one. On the reverse side have the name of the hostess and also the date and evening thus—Thursday, February 14, 8 P. M. Send a card to each man and girl invited. They can match the corresponding numbers and so "find" and "choose" a "mate." For decorations, make different sized red crepe paper hearts. and place these above the pictures in the parlors and dining-room. A chain of the hearts is made by fastening them to a piece of ribbon—have this any length desired. Large red hearts suspended from the chandeliers are quite effective. Get heart shaped boxes from the confectioner, fill these with salted almonds, small candy drops, or a slice of white cake. Use as dainty souvenirs or favors. Just as the guests depart present each with a favor.

Just as the guests depart present each with a favor.

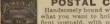
If games are planned for the evening, have game of cards "Hearts." Should there be dancing, have the dance cards to carry out the "heart effect" and fasten these on with red ribbon or cord.

POEMS for songs wanted. Authors not required to pay for writing the music or for publication song writers' ASSOCIATION, Chicago, III

COMIC SUBJECTS

200 Magic Tricks Send 10c, and we mail you 200 Magic Tricks with coins, cards, dies, ribbons, rings. alog of 1000 Bargains. Write to-day. Address BATES MAGIC CO., Box 1540 Boston, Mass.





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Spectacles that will surely fit you on 6' days' free trial. I won't ask for it of money—no deposit—not even a reference. You wear the glasses in your home for six days and if perfectly satisfactory in every way—if they are the glasses you ever saw at any price—send me only \$1 and the glasses are yours. The glasses for any reason do not suit you—if you don't believe them to be the best gain you ever had—return them and you are out nothing. It is because I am so it it is that you can see better with Trusight Spectacles than with common glasses and to send a pair especially fitted to your eyes on 6 days' free trial. Send today. TRUSIGHT SPECTACLE CO., 970 Ridge Bldg., Kansas City, Mo.

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Lingering Death—And Drink Did It All.
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His Recommendation

By Mary F. Robinson

By Mary F. Robinson

A prominent physician once advertised in the want column of a paper, for an honest, reliable office boy.

A number of boys answered the advertisement, but none of them seemed to suit the physician. His elderly sister, who was keeping house for him, was sitting by the window, busy with her knitting, while the boys came and went, but she was not too busy to notice each one.

one.

The last boy was just going away when Aunt Martha spoke up, "Call him back, Arthur," she said.

The Physician was somewhat surprised, but did as he was told to do. He did not know the boy's name, so he merely whistled for him, the little fellow turned around, and came back rather hestitativals.

ingly.
"My sister wishes to see you," said

the doctor.

"Take a chair, my dear boy," said Aunt Martha, in a very kind tone. The boy was small and looked very pale and thin, and although he had an open countenance and an intelligent look, yet the doctor concluded he was too small for his office, and besides he brought no recommendations with him.

"What is your name?" asked Aunt Martha.

What is your name? asked Aunt Martha.

"Frank Lovell," he answered.

"Several days ago," continued Aunt Martha, "I was at the Allington Hotel, sitting at the window, waiting for a friend. I looked out upon the street, and saw her coming. She had her hands so full of parcels, that she dropped one and did not notice it. But a boy saw it, picked it up and handed it to her, and would not take any pay for his services, do you know that boy, Frank?"

"Yes Ma'am," answered the boy somewhat embarrassed.

The doctor became interested.

The doctor became interested.
"He was honest, wasn't he?" she said.
"All boys should be honest," answered

Frank.

"But not all boys are honest," continued Aunt Martha. My brother must have an honest office boy. "One day last week, I saw the same boy again. He kindly helped an oid lady across the street, and later I learned that he had the care of his mother who is a widow, and has been sick for several years."

"That will do, my boy! I will take you at the recommendation of my sister, for I could not ask for a better one." And thus honest little Frank found a good position.

good position.

Give your plants plenty of ventilation this month, and take advantage of every warm day to leave the doors and windows

One can't expect to have a beautiful window garden unless it is given attention. Plants should be examined every

Remove gloves by "peeling" them off the hand, then turn and straighten the fingers. Pull the gloves out smoothly and lay away in a glove box, between tissue paper. Gloves treated in this way tissue paper. Gloves treated in this way will last much longer than if pulled off by the finger tips.

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that makes you a "man amongst men" instead of a "sl of tobacco."
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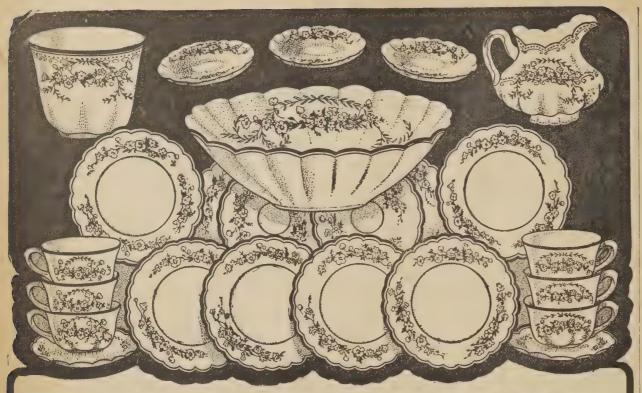
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To those agents who write us at once-right now—we give the Motto Plate absolu-tely free in addition to the Dinner Set.

I am giving away \$75,000 in premiums during the next few months—just to advertise our business. You can have your share, for I need your help and we are going to pay you well.

YOU CAN EARN this magnificent full size gold lined dinner set so easily—so very easily—that there is really no work to it, at all. You do not have to canvass and tire yourself out for this premium as you do for other inferior premiums. All we need is a friendly word, a recommendation from you.

And the dinner set is so beautiful that the picture does not begin to show the beauty of this superior china. Each dish is full size and decorated with the prettiest arbutus blossom flowers in all their natural colors, and every dish is GOLD LINED. An ornament for the most refined home. Even if you become very rich and have the very FINEST kind of house furnishings you will always be PROUD to entertain your friends with this dinner set. JUST THINK! This chinaware won the GOLD MEDAL at the St. Louis World's Fair. Among the many exhibits of both foreign and American potteries this was the only chinaware that won the gold medal. We CUARANTEE that you will find the gold medal trade mark on the bottom of each dish.

medal. We cuarrantee that you will find the gold medal trade mark on the bottom of each dish.

You can get this splendid dinner set without paying us one cent. We want to introduce our new style of art pictures and we want you to show these pictures to your friends. By a special process we can produce these pictures so they exactly resemble famous paintings costing many thousands of dollars. They are lithographed in many colors and you will be surprised when you see them; they are so artistic and pleasing and the whole room looks brighter when one of these pictures are on the wall.

For a limited time we are willing to introduce these pictures on a special arrangement, only 25c being collected with each picture, and we want you as our agent to help us. You need not send us any money. Send us your name and address and we will send you prepaid fourteen (14) of these pictures complete. Remember, we send all the pictures prepaid.

Hang up a few of these pictures in your parlor and invite your friends to come and see the beautiful colored pictures just as here described. All you need not send us will take no effort on your part to quickly dispose of only 14 pictures—everybody will be so GLAD to get them. 14 times 25c is \$3.50. Send us the \$3.50 and we will send you are only experienced. All size cold medal to get them. 14 times 25c is \$3.50. Send us the \$3.50 and we will send you are only experienced. All size cold medal to get them. At these 25c is \$3.50. Send us the \$3.50 and we will send you are only experienced. The money of the sendiful Gold medal the pictures were shown us. A full size cold medal to get them. At times 25c is \$3.50. Send us the \$3.50 and we will send you are only experienced. The shown in the send them. We are an absolutely reliable Company, incorporated under the laws of Illinois for \$20,000, fully paid. Now is the time. Write today for the pictures. They will be sent to you by return mail.

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Condensed Wisdom

When the extremely cold days come, don't keep the rooms too warm in which your plants are. An even temperature is necessary, however.

To soften hard water add a little borax. Water thus softened is wholesome for cooking purposes and is useful in laundry for whitening clothes and effecting a saving of soap.

Many housewives do not know that their failure at times to beat the whites of eggs to a light, white foam is due to the fact that the dish used contained moisture other than that of the eggs. Always dry the dish thoroughly before using as the slightest moisture upon its surface will interfere with the whites becoming light. becoming light.

To clean a copper kettle, first rub it To clean a copper kettle, first rub it with a cut lemon dipped in powdered bath-brick. When all stains are removed wash it in warm, soapy water; then dry and polish it with powdered bath-brick and a soft cloth. Powdered bath-brick, mixed to a paste with oil, may be used instead of the lemon.

Japanned trays or coal-scuttles which have become dull and lusterless may be resored by polishing them with a mixture of white brick and vinegar, applied with a piece of rag. This should then be wiped off with another piece of cloth, and the article rubbed with a dry chamois leather till a brilliant polish is secured.

Soap improves with keeping, and it will be found economical to purchase it in large quantites. Before storing it, however, the bars should be cut up into pieces of convenient size, for this is easily done when the soap is soft and new, but not when it has become dry and hard. The easier plan is to cut it with a piece of wire or a bit of twine in the same way as grocers cut cheese. the same way as grocers cut cheese.

That a Japanese cannot become a citizen of the United States and that citizenship papers granted to a Japanese are null and void, is the decision of Judge Graham of San Francisco. "It has been held again and again," said Judge Graham, "that a native of Japan is a Mongolian, and as such is not entitled to citizenship."

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It is our business to know a good investment. Those who have followed our advice have made money. Last May we advised the purchase of Mohawk Mining Stock at 50c. It has sold since at \$19.50. An investment then of \$500 in 1,000 shares made a profit of \$19,000 or 3,800 per cent in 6 months. At one time Mohawk sold at 10c. We recommended Silver Pick when the was selling at 27 cents. It sold later at \$2.15. Another stock we recommended advanced 100 per cent in less than 30 days. We now recommend Newads Star at 12c. Buy it, and buy all you can afford to cary. We have carefully investigated this and we do not believe that you will ever have a better chance to make a large fortune from a small beginning than right now in the stock of the

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Poultry

(Continued from page 21)

it is better to be on the safe side. The fresher an egg, the stronger its fertility. As to the care of eggs held for hatching there is a difference of opinion, good authority says don't turn them. I have tried both ways, that of turning every other day and leaving them for two or three weeks in one position, and I have never found any perceptable difference in the hatching that could be traced to the handling of the eggs before incubation, but for all this I think it is well to turn them once in four or five days or a week. it is better to be on the safe side.

week.

Eggs brought from a distance for hatching should be allowed to lie undisturbed for at least twenty-four hours before setting. Experiments have proved that the jarring incidental to travel to some degree displaces the contents of the egg, and that it is better to allow them to remain quiet for a time in order that the egg may become well settled. Not a few complaints are made every spring that eggs are infertile because after incubation they were found to be rotten. This is a mistake, for rottenness proves that the eggs were fertile, for an egg that contains no germ will be as sweet after three weeks in incubation as when started. started.

- Notes

An English remedy for roup is three drops of spirits of camphor on a piece of bread.

drops of spirits of camphor on a piece of bread.

There is nothing gained in crossing pure bred poultry. Most any of the utility breeds will fill one requirement, but none will fill every one.

Some New England poultry men estimate poultry manure to be worth half the cost of the food, but in order to get full value it must be handled so as to lose none of its properties.

The product of ten acres of good land will keep a horse, cow and a large flock of hens, and the poultry, if properly handled, will bring in more money than most farmers are getting from one hundred acres in the ordinary way.

You can lose money raising poultry just as well as at anything else. Just follow it up in a haphazard sort of way. Feed is high and all supplies cost more than they used to. Eggs bring good prices, but if you get only now and then a few you will be a loser.

Finicky Cleanliness

Prof. M. E. Jaffa, of the University of California, is conducting at Oakland a series of experiments with the object of increasing the laying powers of the hen.

Prof. Jaffa has already secured some remarkable laying records. In discussing these records, he said the other day:

'Cleanliness is a prime factor in successful chicken farming. Keep the runs clean, dry, cheerful and your hens will do their duty by you nobly.

'In fact, to make hens lay well, it is almost necessary to carry neatness to the finicky point—to be as finicky as the old woman with the aquarium.

'This old woman did not merely keep the aquarium neat—the glass spotless, the stones at the bottom snowy—but it was said of her that every Saturday night she took the fish out and gave them a bath.''

Our Turkey Crop

The turkey crop of the United States finds its first important market at Thanks-giving, when, according to a reliable esti-mate, about 6,000,000 of the birds are sold. It is raised in small lots all over the country, each farmer contributing a few.
This crop of 6,000,000 Thanksgiving turkeys, if all of them were marching in single file, would stretch from Boston to San Francisco and as far as Denver on the return journey

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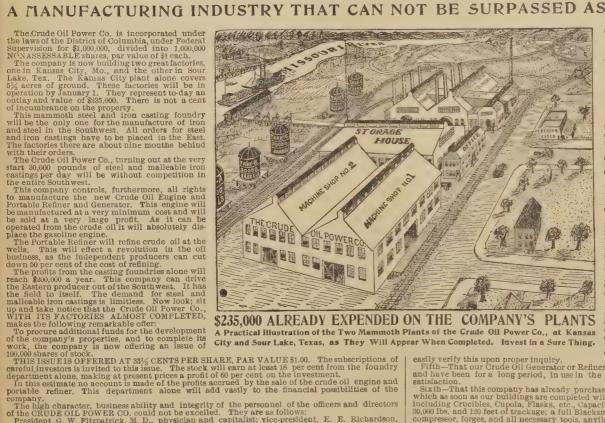
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Second—Absolutely no mention is made anywhere in any of our literature of the vast profits that will POSITIVELY accrue from our Portable Refiner or Generator, our Crude Oil Engine and our Crude Oil Eurner for steaming and domestic use. Third—We have already several hundred orders for our Crude Oil Burners and more are pouring in every day. These burners are not an experiment. A large number of them have been in use for a long time; they have given most perfect satisfaction, and this company is in possession of many unsolicited testimonials from those who are using them that we will be glad to send you should you so desire. The profit on these burners exceeds 800 ner cent. Vers 3000 can be sold annu-

ally.

Fourth—That more orders are already assured w
for our Foundry and Casting Dept, than we can
possibly fill if we run day and night next year and
double our capacity in the bargain. This should
occasion no surprise, as all other factories of like
character are from nine to twelve months behind
with their orders and ours are the only two factories
of this kind in the entire Southwest. You can

satisfaction.

Sixth—That this company has already purchased and paid for in full the following equipment, which as soon as our buildings are completed will be installed, viz.: A Complete Foundry outfit, including Crucibles, Cupola, Flasks, etc., Capacity 30,000 lbs. daily; a Traveling Crane, capacity 30,000 lbs. and 120 feet of trackage; a full Blacksmithing outfit, including a 50 H. P. gas engine, air compressor, forges, and all necessary tools, anvils, etc., a 500 light Dynamo and Equipment; a full equipment for drilling oil and gas wells complete, with a vast quantity of casing, etc.; a metal Lathe and several other valuable metal working machines for the machine shop equipment. There is no Seventh—Our place will.

oventh—Our plants will positively be in full operation by January 1, 1907.
ghth—We most confidently expect to pay a semi-annual dividend of at least 7½ per cent by

Lighth—we most connected, expected by July 1, 1907.

Ninth—The work on the plants is being pushed forward expeditiously and it is the purpose of the company to keep all stockholders notified of the progress of the company. Tenth—That by purchasing this company's securities at 33% cents on the dollar you will earn at least 60 per cent on your investment the first year. The earnings will probably double that amount. For all information address by wire or lefter

F. C. Vincent, Fiscal Agent, 423 Gibraltar Bldg., Kansas City, Mo.

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not remain long at such a low price.

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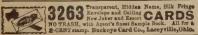


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Floral Question Box

Otaheite Orange

Otaheite Orange

Two years ago next spring I ordered an Otaheite Orange from a Pennsylvania firm. I planted it in a half gallon syrup pail and set it outdoors. I watered it good and it had the sun nearly all day. It made a wonderful growth but did not bloom, so in January I set it away in the dark and let it rest. I gave it very little water and the leaves looked dry. About the last of March I brought it out and set it in a pail of warm water, gave it a good soaking, then repotted it in rich soil and set it in a sunny window in the sitting room. It began to grow and bloomed all over. I let nine oranges remain on the tree and they are nearly ripe, but I have had no more blooms, though it is said that this variety will bloom and fruit continuously. It remained outdoors all summer. My plant is not a good shape. Will it bear pruning? After it reaches the maximum height will it still bloom, or shall I have to trim or prune it to keep it growing In order to keep it blooming? What is the best fertilizer to use on it? Any information in regard to the treatment of the Otaheite Orange will be thankfully received.

I keep my plants in a large box at night as our room is cold. In the morning I set a half gallon pail partly full of boiling water among them, cover the box tight and let them steam. I add half a teaspoonfull of spirits of ammonia to the water, and after it cools use it to water the plants. Do this once a week and you will not be bothered with insects.—Mrs. F. H., Missouri.

water, and after it cools use it to water the plants. Do this once a week and you will not be bothered with insects.—Mrs. F. H., Missouri.

Otaheite Orange plants will bloom and bear best if the roots are somewhat confined. It is possible that your syrup pail is so large that the roots have too much room. Usually they will bloom the greater part of the year, but, like most hardwooded plants, the best results are secured if they have a period of rest. When resting, keep the plant at a temperature of from forty to fifty degrees and give just enough water so the foliage will not drop. Leave in this manner a month or two, then put in a sunny place at a somewhat higher temperature and give more water. During the growing season liquid manure should be regularly supplied, but as soon as growth declines this should be gradually stopped. A moist atmosphere should be kept up during the season of growth. If the plants are not kept moist they soon present a stunted appearance. The soil should be good garden loam to which a liberal portion of decayed manure and sand has been added. In potting, the soil should be well firmed down. In the summer give a plentiful supply of water; in the winter keep cool and rather dry. Prune the plant to the desired shape before the new growth begins.

Your method of treating your plants to a steam bath is at least worth trying. It seems to work well in your case. Probably insects would not like it particularly well.

Another Lemon Tree

Does the soil around a bearing Lemon tree need much moisture and should it be enriched with manure while bearing? The buds fall from mine. The soil is composed of about equal parts of sand, loam and well-rotted manure.—A. R. S.,

Michigan.

The soil is probably all right. When the tree is making its growth it is well to provide it occasionally with manure water or some plant food, but when in bloom and fruit only clear water should be given. Too dry an atmosphere, too little water or too much will cause the buds to drop. Do not keep the soil constantly soaked, but give it a good watering, let it pass off and allow the soil to become dry, but not dust dry, before giving water again. In winter, with a low temperature, supply less water than in spring or summer.

Trellis Tomato

Mrs. Frank Holt, 18 Military Park, Ft. Thomas, Ky.

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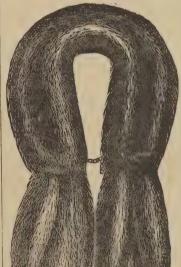
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Nevada's latest sensation is Gold Mountain

Nevada's latest sensation is Gold Mountain. midway between Goldfield and Bullfrog. The Wyman-Vick mine has ore running \$125,00 a ton in gold and \$113,00 in silver, with some strikes worth many times these figures.

The shaft of the Grape Vine Mining Company a mile northeast of Wyman-Vick, at a depth of 50 feet assays \$187,00 per ton and at 100 feet \$234,00 per ton. Three miles north, Binford has a 50 foot shaft from which they are taking \$270,00 ore and at Lida, which was a deserted place a year ago, there are a large number of mines operating and shipping including, Centennial, Florida, Snowstorm, Washington-Nevada and Copper Queen and Col. O. P. Posey of the Thanksgiving mine is about to erect a reduction mill, capable of handling all the ore from Lida and vicinity. W. G. Chamberlin, Cashier of the Standard Bank of San Francisco and owner of the Old Death Valley mine, says it is only a question of a little time now, before the district will be crowded.

Three good mines have been opened up on different sides of the Wyman-Vick, the richest of the three being less than a quarter of a mile

Arrangements have been made for a branch of

Arrangements have been made for a branch of the Bullfrog railroad to run into Lida which will pass near the property, so the question of transportation of ore is settled.

The great profits in mining stocks are made by those who invest at the beginning while the property is in precisely the condition this property is in now and we cannot too strongly recommend Wyman-Vick stock at the present price, 30 cents a share, par value \$1. Buy all you can afford to carry.

We have carefully investigated this and do not believe you will ever have a better chance to make a large fortune from a small beginning than right now in Wyman-Vick stock. Now's the time to buy for large profits before the stock

the time to buy for large profits before the stock goes up on the jump.

The profits made in Nevada securities during the past year by those who purchased at opening prices, run into millions and millions of dollars. The value of eighteen Nevada Gold Mining Stocks increased over \$1,000,000.00 during last October alone and in no case has any enterprise been promoted from Southern Nevada that showed greater merit or greater certainty of enormous profits than does the Wyman-Vick mine.

enormous profits than does the Wyman-Vick mine.

We predict that investors in this stock will double their money many times over and from our knowledge of the mine our belief is that the stock is worth par \$1 a share now and we look for it not only to sell at par within a short time, but to advance to \$5.00 and to \$10.00 and ultimately to \$15.00 a share or more.

Other properties with no better prospects at a similar stage of development have made millions for investors, making comparatively small stockholders wealthy, and are now producing at the rate of \$60,000 to \$1,000,000 a month. Moreover another mine at Gold Mountain has recently developed into one of the greatest mines in the country, proving the value of the Gold Mountain district where the Wyman-Vick mine is located and it promises to surpass all other Nevada mining camps in ore values and the quantity produced.

mining camps in ore values and the quantity produced.

An investment of \$500 in Mohawk stock increased to \$75,000 within a year. Another investment of a like amount increased to \$70,000 within six months. Surely investments offering: possibilities of this kind are worthy of prompt and careful consideration. There is no business, no other investment to compare with it.

Certainly the public will have perfect confidence in the officers of the Wyman-Vick Company as they are not only well known residents of Rochester, N. Y., but are known the world overthey are honorable, conservative and successful.

Mr. J. R. White, president of the company, is one of the largest manufacturing jewelers of the city. The vice president is Charles H. Vick, president of James Vick's Sons, Seedsmen. Mr. George W. Michelson, a large furniture manufacturer, is also vice president. The secretary is Mr. George E. Wyman, of Chase and Wyman, nurserymen. Mr. E. O. Graham, of the Graham Nurserymen. Mr. E. O. Graham, of the Graham Nursery company, is treasurer, and E. S. Osborn, treasurer of the Corriton. Nurseries one of the

nurserymen. Mr. E. O. Graham, of the Graham Nursery Company, is treasurer, and E. S. Osborn, treasurer of the Charlton Nurseries, one of the oldest and largest nurseries in the country, is a director. All of Rochester, N. Y. Customers of these concerns can be found everywhere, and will vouch for their integrity and honor, established by years of upright deal, ings. Under their management every stock holder, large or small, is sure to receive a "square deal"

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The sale of stock is in charge of the Manhattan Investment Company, 36 East 23 St., New York, who will send full information and illustrated prospectus without charge and readers are advised to write for it at once.

In the Garden

(Continued from page 19)

number of seeds of each kind should be recorded so that the percentage of loss may be easily reckoned and if not more than sixty or seventy per cent grow, the seed had better be rejected. If that number show reasonable vigor, it is safe to say that a larger number will grow when sown or planted under fair conditions in the beds or out of doors.

Before the next number reaches our.

Before the next number reaches our readers, the hotbed work will be well under way in very many localities and in many sections out door planting will be in order and some suggestions as to starting seeds for the open ground may be timely.

Early potatoes can be forwarded from ten days to two weeks by sprouting them previous to planting. Take shallow boxes three to four inches in depth and fill say, two-thirds full of sand, cut the seed potatoes same as usual and stick them in the sand eyes upward. Sprinkle them in the sand eyes upward. Sprinkle more sand on them, sufficient to nearly cover them, moisten well and set them in a partially darkened room, with a temperature of about 45°. They should have three to four weeks time before planting. The boxes should not be larger than can be easily handled, so that in planting they can be carried direct to the planting ground and disturbed as little as possible to avoid breaking the sprouts. No matter if they are grown to consider as possible to avoid breaking the sprouts. No matter if they are grown to considerable length, only so they do not break off, else nothing would be gained. Cover the sprouts entirely regardless of length and often they will be breaking the ground in four or five days.

ground in four or five days.

Sweet corn may also be forwarded several days by the spronting process. It is far less hardy than the field varieties and thus quite liable to rot in germinating. This crisis safely passed, it will withstand cold and wet to considerable extent, so the very early sorts are safest if germinated previous to planting. Use shallow boxes or pans and cover the same as directed for testing. Six to eight days before required for planting will be sufficient time.

Peas, both sweet and edible will gain much time in maturing if started in the same way.

Lima beans may be started three weeks or more before they can be safely planted in the open ground. They readily bear transplanting, the only precaution necessary being to take up a good sized ball of earth with each plant. Start in boxes or pans, plant one bean in a place and far enough apart that, in taking up, the roots shall not be disturbed. They may be left to grow three or four inches in height and with care in transplanting will receive no visible check. Plant them eyes downward and cover not to exceed half an inch deep. Lima beans may be started three weeks

them eyes downward and cover not to exceed half an inch deep.

Onion sets may be safely set out as soon, as the frost is out sufficiently to work the surface of the ground; and so also with the extra early smooth peas. Lettuce and radishes will follow closely in the wake of the above, and thus, with hotbeds already in operation and the early outdoor planting and germinating of seeds as above, the home grown vegetables may be ready for use very early in the season. in the season.

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Several years ago Mrs. Miller learned of a mild and simple preparation that cured herself and several friends of female weakness and piles. She was besieged by so many women needing treatment that she decided to furnish it to those who might call for it. She started with only a few dollars' capital, and the remedy, possessing true and wonderful merit, producing many cures when doctors and other remedies failed, the demand grew so rapidly she was several times compelled to seek larger quarters. She now occupies one of the city's largest office buildings which she owns, and almost one hundred clerks and stenographers are required to assist in this great business.

Million Women Use It.

Million Women Use It.

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who can and will tell any sufferer that this marvelous remedy really cures women. Despite the fact that Mrs. Miller's business is very extensive, she is always willing to give aid and advice to every suffering woman who writes to her. She is a generous, good woman, and has decided to give away to women who have never used her medicine \$10,000.00 worth absolutely FREE.
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box of her marvelous medicine; also her valuable book, which every woman should have.

Remember, this offer will not last long, for thousands and thousands of women who are suffering will take advantage of this generous means of getting cured. So if you are ailing, do not suffer another day, but send your name and address to Mrs. Miller for the book and medicine before the \$10,000.00 worth is all gone.



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Send small bottle of your morning urine. I will make analysis and forward opinion of case free.
If tired of being experimented upon by physicians who guess at your disease, consult a water doctor. Interesting 69 page book free.
Mailing case for urine furnished on receipt of 2c stamp. Dr. O. D. Shafer 167 Garfield Place, Cincinnati, O.



The Analysis of Fertilizers

By E. A. Season

The question is frequently presented regarding the interpretation of analysis as printed upon fertilizer bags, which constitutes a high grade or a low grade

mixture.

The fact that the average farmer is not familiar with the terms used in the analysis, has led many to rely upon the judgment of the local dealer, and too often also to buy upon the price per ton basis. Not long ago I had occasion to recommend a fertilizer mixture for early potatoes made after the following formula: Nitrogen 4%, Phosphoric Acid 8% and Potash (Sulphate) 12%, and have since received several inquiries in regard to the amount of actual plant food to the ton of this mixture.

to the amount of actual plant food to the ton of this mixture.

This, like all other fertilizers termed "complete" is made up of the three principal plant foods. The nitrogen in this instance was derived from Nitrate of Soda, a salt obtained in Chili containing about 16% of pure nitrogen. It is the most directly available form of nitrogen known. In order to obtain eighty pounds of nitrogen per ton, or 4%, it will be necessary to use 500 pounds of these salts.

of nitrogen per ton, or 4%, it will be necessary to use 500 pounds of these salts.

In several Southern states a substance is mined, termed phosphate rock, which contains phosphoric acid, one of the important elements of plant life, but in the natural condition it is very slowly taken up by plants, therefore, in order to render it more quickly available the raw phosphate rock is treated with sulphuric acid which converts it into a soluble material, called Acid Phosphate. This seldom contains above 16% of available phosphoric acid, the rest being principally gypsum or calcium sulphate. In order to obtain 160 pounds per ton of available (soluble) phosphoric acid one must use 1000 pounds of acid phosphate (or Superphosphate.)

The Sulphate of Potash is the product of extensive mines in Germany. This contains fifty pounds of actual potash in each 100 pounds of material, hence to supply the 12% Sulphate of Potash we must use 240 pounds of these salts.

It will be noticed that 260 pounds, are lacking to complete a ton, which is made up by the addition of what is termed "make weight" consisting of dry earth, leached ashes or sand, sometimes colored with soot.

The buying of a fertilizer should mean the buying of so many pounds of actual plant food, and the richer the fertilizer is in nitrogen, potash and phosphoric acid, the greater is the economy in its handling. The variation in ton prices means, with reliable manufacturers, the difference in the grade or quantity of the fertilizing materials. To illustrate the difference between a high grade fertilizer and a lower grade, the following formulas will explain:

Formula No. 1. Nitrate of Soda, 500 pounds which will furnish eighty pounds of nitrogen per ton or 4%. Bone black superphosphate, 1,100 pounds per ton or 4% superphosphate, 1,100 pounds per ton or 4%.

Formula No. 1. Nitrate of Soda, 500 pounds which will furnish eighty pounds of nitrogen per ton or 4%. Bone black superphosphate, 1,100 pounds furnishing phosphoric acid 180 pounds per ton or 9%. Muriate of Potash 400 pounds furnishing 200 pounds of potash or 10%. Total material 2,000 pounds (one ton) containing plant food 400 pounds.

Formula No. 2. Nitrate of Soda 250 pounds will furnish forty pounds of nitrogen or 2%. Bone black superphosphate 1000 pounds furnishing phosphoric acid 100 pounds or 8%. Muriate of Potash eighty pounds furnishing forty pounds of 2% potash, make weight 670 pounds. Total 2,000 pounds furnishing total plant food only 240 pounds.

Formula No. 3. Tankage 600 pounds will furnish nitrogen thirty pounds. Phosphoric acid ninety pounds. Kainit 400 pounds giving only fifty pounds actual potash, make weight 1000 pounds. Total 2,000 pounds of material but only 170 pounds of actual plant food. This has a guaranteed composition to nitrogen 1.5%, phosphoric acid 4.5%, potash (actual) 2.5%.

Thus it will be seen that although the cost of the first formula which is high grade in quality and quantity may be greater than the others there is a much greater proportion of actual plant food to the ton of material while in the formulas No. 2 and No 3. a good price is paid for hundreds of pounds of material of no earthly value.

earthly value.

RHEUMATISM CURED Through the Feet

Great New External Remedy Found for Rheumatism of Every Kind, Chronic or Acute, Which is So Reliable That We Gladly Send It to Anybody ON APPROVAL. You Pay Nothing Unless Entirely Satisfied With Benefit Received. Let Us Send You

A DOLLAR PAIR

Just write us like this A Postal Card Will Do. Magic Foot Draft Co., 267 Oliver Bldg., Jackson, Mich. Gentlemen: -- Send me a Dollar pair of Magic Foot Drafts FREE TO TRY, as advertised invicks Magazine

Address....

Return mail will bring you a pair of the MAGIC FOOT DRAFTS, the great Michigan Remedy for rheumatism of every kind, both chronic and acute, no matter where located or how severe.



They are worn over the tender skin which contains the great foot pores (among the largest in the body) and cover very important nerve centers.

Our Free Book sent with the drafts describes the scientific principles upon which this great treatment is based. This book explains the different kinds of rheumatism with their direct and indirect causes, which all should avoid. The book is fully illustrated in three colors so that anyone can understand the relation of the skin pores and the nerves to nature's plan for ridding the system of pain-causing and disease-producing impurities.

Our Great Offer Write us today. You will get the Drafts right back, free and prepaid, to try. If you are fully satisfied with the benefit received, after giving them a thorough trial, then send us One Dollar. If not satisfied we take your simple say so, and we donot and shall not ask you to pay a single penny for the Drafts we sent you. You are the one to decide. You can see that we couldn't afford to make this remarkable offer if the Drafts didn't cure almost everybody who tries them. If you have rheumatism can you afford to neglect such an offer?

Read These Remarkable Statements

7. Wesley Bennett, Indianapolis, Ind. Suffered with hereditary rheumatism for past 25 years. Brother died with it. Had to be assisted to and from street car. Cured by the drafts two years ago. No return of disease. Miss C. Tena Segoine, 5 Easterly Place, Auburn, N. Y. Suffered with rheumatism for past ten years to such an extent that she had to use a crutch during that time. Cured two years ago. No return of disease.

A. L. McCandless, Bellevue, Ohio. Conductor on N. Y. & St. L. R. R. Unable to take charge of his train, states: "I have never taken any medicine that did me so much good." Cured with one pair two years ago. Has not felt a return of rheumatism since wearing drafts.

And, E. Gregg, Sherman, N. Y., states: "I found the Magic Foot Drafts to be the one remedy that ever benefited me speedily and permanently." Suffered with rheumatism of ten years' standing. Joints of fingers enlarged, stiff and painful. Knees and feet in bad shape. Walked with difficulty. Cured by the drafts two years ago. No return of rheumatic symptoms since wearing drafts.

W. H. Howard, Halsted, Pa., R. F. D. Suffered with rheumatism for

W. H. Howard, Halsted, Pa., R. F. D. Suffered with rheumatism for

twenty-five years. Brother thirty years. Both cured with Magic Foot Drafts. Is able to plow at the age of 76. Previous to using drafts could not walk straight.

J. Pretty. Dawn Valley. Ont., Can. Tried everything he could hear of for seven years without even temporary relief. Cured three

A. Meola, Zanesville, Ohio, "After having spent four weeks at Mt. Clemens, Mich., which cost me over \$150.00, I consider it as time lost to what Magic Foot Drafts did for me."

G. W. Johnson, Ridgeway, Ohio. Suffered with rheumatism for three years. Wife suffered with rheumatism for eighteen years.

G. W. Jonnson, Alexander of the suffered with rheumausm and three years. Wife suffered with rheumausm and both cured.

James M. Stevenson, 656 Pearl St., Denver, Colo. Cured of Sciatic Rheumatism. Suffered with same six months. Dressed with difficulty.

W. G. Bogguss, 326 W. 61st St., Chicago. Took treatment from six different physicians and spent six weeks at Mt. Clemens, Mich., for rheumatism without avail. Cured by Magic Foot Drafts.

Magic Foot Drafts are curing cases of 30 and 40 year's standing, after doctors and baths and medicines had falled, as well as the milder stages. Remember it costs you nothing to try them. Write for a FREE TRIAL PAIR and our FREE BOOK today.

Magic Foot Draft Co., 267 Oliver Bldg., Jackson, Mich.

Earn \$8 in your town with 100 samples. SEND 60 STAIRS,

16 COMIC POST CARDS 100 GALL STONES OR ANY LIVER DISEASE



FOR LARGE ILLUSTRATED ost complete catalog of vehicles and harness over printed. The cuts are made large so as to show you just how each vehicle is made. The two center pages ored plate 9x11 inches, of our CHICAGO SPECIAL BUGCY, reproduced in the actual colors just as it is painted and finished. The descriptions are complete and vehicles are shipped direct from our fastory. Our prices are the very lowest. Be sure MARVIN SMITH CO. CHICAGO. ILL.

CONSTIPATION FREE to the RUPTURED

Biliousness Nervous Headaches

To correct these allments requires a thorough cleansing and regulating of the bowels. Nothing will do this so well and effectively as

Stewart's Fruit-Vigor

tree's heel, laxative and tonic, a concentrated product uits. It acts in a mild, yet positive manner, without mg or after-effects. It purifies the blood, clears the on, attengthens the nerves and brain, and tones up e system. We guarantee it to be absolutely free eiteforming drugs and to conform strictly to the e-Food Laws, and we will promptly return your it will not do all we claim. Price only 35 cents per box, or 3 for \$51.00, postpaid. Booklet containing information sent free.

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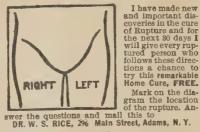
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pothered again. Our specialty is stricture, hydrocele and all Cures guaranteed in all curable trested by mail. One personal examination required before tree examination is necessary. but once cured, you will never be re specialty is rupture, varicoccie, ele and all Urinary Diseases. nell curable cases. No patients One personal visit for a scientific edu before treatment begins. Such essary to prevent fallure, because cribe their cases accurately. Don't rd to come, and ask us to treat you amination; we will refuse It is betath the end to come here in the first Rowe Medical Co., 60 Niagara St. L. Buffalo, N. Y

MOTHER YOUR CHILD HAS KIDNEY TROUBLE FREE. Dr. May Co Box Y 6, Bloomington, Ill

99 NEW SONGS for 10g

A Quick New Cure



I have made new and important discoveries in the cure of Rupture and for the next 80 days I will give every ruptured person who follows these directions a chance to try this remarkable Home Cure, FREE.

Mark on the dis-

AgeTime Ruptured
Name
Address
•

Does rupture pain? ____ Do you wear a Truss?__ To Women Who Dread Motherhood!

Information How They May Give Birth to Happy, Healthy Children Absolutely Without Pain-Sent Free.

Without Pain—sent Free.

No woman need any longer dread the pains of child-birth; or remain childless; Dr. J. H. Dye has devoted his life to relieving the sorrow of women. He has proved that all pain at child birth may be entirely banished, and he will gladly tell you how it may be done absolutely free of charge. Send your name and address to Dr. J. H. Dye, 116 Lewis Block, Buffalo, N. Y., and he will send you, postpaid, his wonderful book which tells how to give birth to happy, healthy children, absolutely without pain; also how to cure yourself. Do not delay but write today.

HOW TO CURE CANCER.

In from 10 to 20 days by my new home treatment mailed free to all sending address to Dr. G. M. Curry, 1475 Curry Bldg., Lebanon, Ohio. I refer to any bank or business firm in Lebanon.

Vick's three years Only One Dollar

Squab Raising is Profitable

(Continued from page 6)

year to year. So when you go to a certain nest to get a certain pair of squabs, you know which is the father and mother, the cock and the hen, of that pair.

In starting a flock, one male for each female pigeon is needed. You cannot have one male for several females.

The breeding pairs build their own nests with hay or straw which you place in a pile in the squab house. As soon as the nest is built the male begins to "drive" the female—he is anxious that she deposit the eggs. You will see him hustling her about all over the squab house and the flying pen, and he is content only when she is perched on the nest. She lays two eggs, then she and the male take turns sitting. She sits on the eggs at night until about ten o'clock in the morning, then he comes and sits on them until evening, when she returns and he goes away for a rest. The young break out of the shells in seventeen days after the eggs are laid. They are ugly little creatures, in flesh tender, but in constitution tough as nails, and hard to kill. The old birds fill their crops with food, and then fly to the nest and fill the bills of the little ones from the crops. You do not feed the squabs at all; the old birds attend to that. The squabs grow with marvelous speed. In three to four weeks they fill the nest so there is no room for the breeding pigeons, which begin sitting and laying eggs again in the second nesting box.

Cold winter nights the pigeons take refuge in the squab house, flying in from the pen at sundown. You do not have to drive them in, they go in instinctively.

On the ground at the end of the flying pen is a pan of water, renewed every day. At sunrise each day the pigeons go there and take a bath. They do not roll in the dirt—simply splash in the water. Their plumage always is in apple-pie order and a very pretty sight it is, the feathers about

and take a bath. They do not roll in the dirt—simply splash in the water. Their plumage always is in apple-pie order and a very pretty sight it is, the feathers about the neck sparkling with all the colors of the rainbow.

There is no night work in connection

with squab raising, as in the case of

The feeding trough is automatic. You fill it up, not every day, but once or twice a week. The feed drops down as it is eaten. They do not gorge on this unlimited supply, but feed until their wants are satisfied, then go away. When they are not sitting on the eggs they usually are roosting on the top of the squab house. squab house.

Their manure is not foul and ill smelling. Both out odor. Both pen and squab house are with-odor. The manure is salable and

out odor. The manure is salable and is an important item of revenue.

There are at least ten excellent features in squab raising which should recommend it to the attention of both men and women, as light, easy work, with assured profits. These are: No artificial incubation requiring costly plant; no feeding of squabs, arent birds do with assired plonts. These are: No artificial incubation requiring costly plant; no feeding of squabs, parent birds do that; small labor feeding as they do not gorge themselves; no night work, the pigeons take care of themselves; few diseases, canker is the chief one and proper food prevents this; long usefulness of stock, pigeons produce for eight to ten years; large space unnecessary, more profit to area used than in any other stock; bred in any climate, equal success being had in all parts of United States and Canada; small capital needed, the sale of squabs giving profit from the beginning; no bloody killing, which is extremely distasteful to women.

Much of the information embodied in

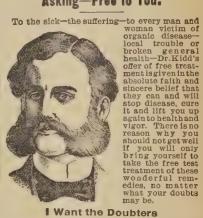
Much of the information embodied Much of the information embodied in this article is obtained from the valuable little book on Squabs by Elmer E. Rice, who is known as the "Father of the squab industry."

Of course, no rules can be laid down absolutely for the game of hearts, and while a woman's inclination toward matrimony varies at different ages, when the right man comes along she will marry at any age from the cradle to the

I never had any other desire so strong, and so like to covetousness, as that one which I have had always, that I might be master at last of a small house and a large garden.—Abraham Cowley. 1618-

Free! Free! To the Sick and **Ailing Everywhere**

THE CURE FOR YOUR DISEASE Delivered Free-Free for the Asking-Free to You.



I Want the Doubters

I want the Doubters

I want to give them the proof—the evidence and the glory of new life in their own bodies—and I want to pay the cost of this proof—all of it—to the very last cent—myself.

I have put my life into this work—I hold the record of thousands of cures—not "some better"—but thousands of desperate sufferers, hearty and strong and big and well; and their letters are in my hands to prove every word I say. Rheumatism, kidney troubles, heart disease, partial paralysis, bladder troubles, stomach and bowel troubles, piles, catarrh, bronchitis, weak lungs, asthma, chronic coughs, nervousness, all female troubles, lumbago, skin diseases, scrofula, impure blood, general debility, organic vital allments, etc., are cured to remain and continue cured.

No matter how you are, no matter what your disease, I will have the remedies sent to you and given into your own hands free, paid for by me and delivered at my own cost.

These Remedies Will Cure

These Remedies Will Cure

They have cured thousands of cases—nearly every disease—and they do cure and there is no reason why they should not cure you—make you well—and bring you back to health and the joy of living!

Will you let me do this for you—will you let me prove it—brother and sister sufferers? Are you willing to trust a master physician who not only makes this offer but publishes it and then sends the best and proof of his remedies without a penny of cost to anyone except himself?
Send your name, your Post Office address and a description of your condition, and I will do my utmost to satisfy ever doubt you have or can have that these remedies will save your life and make it all that nature meant to make it.

Let me make you well. Give me your name and tell me how you feel, and the proof treatment is yours, at my cost. No bills of any kind—no papers—nothing but my absolute good will and good faith.

DR. JAMES W. KIDD,

DR. JAMES W. KIDD,
BOX 1152, Fort Wayne, Ind.
NOTE-We know personally Dr. Kidd and know that
his methods and his offer are exactly as represented in
every respect. Our readers should take advantage of
Dr. Kidd's generous offer.

DEAFNESS CURED By New Discovery



"I have demonstrated that deafness can be cured."-Dr. Guy Clifford Powell.

The secret of how to use the mysterious and invisible nature forces for the cure of Deafness and Head Noises has at last been discovered by the famous Physician-Scientist, Dr. Guy Clifford Powell. Deafness and Head Noises disappear as if by magic under the use of this new and wonderful discovery. He will send all who suffer from Deafness and Head Noises full information how they can be cured, absolutely free, no matter how long they have been deaf, or what caused their deafness. This marvelous Treatment is so simple, natural and certain that you will wonder why it was not discovered before. Investigators are astonished and cured patients themselves marvel at the quick results. Any deaf person can have full information how to be cured quickly and cured to stay cured at home without investing a cent. Write today to Dr. Guy Clifford Powell, 245° Bank Bldg., Peoria, Ill., and get information of this new and wonderful discovery, absolutely free.

The nose and throat are lined with mucous membrane. The catarrh germs burrow into the soft surface of this mucous membrane and cannot be reached and destroyed by the ordinary methods of treatment. This is why the various snuffs, sprays, ointments, jellies and other forms of catarrh treatment give but temporary relief.

My treatment give but temporary refer.

My treatment reaches every portion of the diseased surface, at once killing all the Catarrh germs with which it comes in contact. At the same time by the use of constitutional medicines the blood is purified, the general system built up, and every trace of the disease eliminated from the system. up, and every tra

Catarrh Causes Consumption

Delay is most dangerous in diseases of the nose, throat, bronchial tubes and lungs; these diseases are constantly injuring the organs affected by them as well as the whole constitution. Consumption, which directly or indirectly causes nearly one-fourth of all deaths, usually has its origin from Catarrh.

DR. T. F. WILLIAMS, who shows is condence in his treatment for Catarrh by sending a Month's Medicines Free.



Catarrh Causes Stomach Troubles Dyspepsia is nothing more than Catarrh of the Stomach, and if neglected often destroys the mucous lining of the stomach, sometimes even causing cancer.

Catarrh Causes Deafness

Nine-tenths of all cases of deafness are caused by Catarrh. Don't wait until the earms are destroyed and the hearing forever impaired. Write for my treatment at once.

CURED 7 YEARS AGO FO CATARRH OF HEAD, NOSE, THROAT, EARS AND BRONCHIAL TUBES 17 years suffered from Catarrh. Had watery tilsoher from nose, difficult breathing, hawking and spitting, tonsels swollen, troublesome noough, pain in back, very nervous. Began your orteatment—gained 26 pounds—a opermanent ours.—MRS, E. E. VALENTINE 515 Fifth St., Sloux City, Iowa

CATARRH OE HEAD, NOSE, THROAT AND STOMACH ATAKRH OE HEAD, NOSE, THROAT AND STOMACH
Had catarrh of head, nose, throat and stom.
Ch. Suffered from indigestion, bloating, nase,
carseness, hawking and spitting. Tried varius treatments with no relief. Began treat
ent under Dr. Williams, and am now entirely
alent under Dr. Williams, and am now entirely
ured."—J. W. Garis, Rhodel, Iowa.

ALMOST DEAF FROM CATARRH
"The years ago Dr. Williams to could scarce
enter the control of the disease; my hearing is good; have no more headaches."—FRANK ABEL, 1164 Sixth Ave., Des
Moines. Iowa

A STRONG ENDORSEMENT

A STRUNG ENDORSEMENT

"I am feeling better now, since taking your
treatment, than I have felt in 6 years. Spent
much money for other treatments but received
no benefit. Your treatment is the best that
could be used, and I stand ready to recommend it to any sufferer."—BEN J. POWELL,
Convent, La.

ALMOST DEAF FROM CATARRH

I could not afford to ofter ONE MONTH'S TREATMENT FREE OF CHARGE If I were not positive that it would certainly cure Catarrh. In order to prove what my treatment will do, I am willing to stand the expense myself for the first month's medicines. Cut out the coupon and mail it to me.

FREE TREATMENT COUPON

DR. T. F. WILLIAMS, 238 Crocker Bldg., Des Moines, Iowa.

I have Catarrh, and wish to avail myself of your offer to furnish me a Month's Treatment Free. Also please send me your free de-scriptive book on Catarrh and its cure.

NAME	
21222	

DR. T. F. WILLIAMS,

238 Crocker Building,

DES MOINES, IOWA.

THE

WASHING

MACHINE

DWALLOWING

WASHBOARDS.

The Wonderful Bag

(Continued from page 17)

frightened little Pansy so that she ran on with all her might, and cut great pieces out of her shoes on the sharp stones. The poor child was all ready to cry, the wood seemed so long and dreary, and full of such terrible creatures; but she had a brave heart and, drying her eyes on a corner of her shawl, went on as fast as her bleeding feet would let her.

her.

By and by she saw a poor little bird lying by the side of the path; it was too young to fly, and stretched out its beak for food; but the mother seemed to have left it there to die of hunger. Pansy put a few crumbs of bread in its mouth, and rejoiced that it ate them. She would have liked to stay by it and feed it until it grew strong, but she could not stop a moment; so she strewed some more crumbs by its side and, bending over it, kissed it gently and sped away.

bending over it, kissed it gently and sped away.

She had given more than half of her crust to the bird, but, "never mind," said she to herself, "I have still a big piece left, and the can of milk."

Alas! the crow, who had been watching for some time with greedy eyes, now swooped down upon her. and. snatching it from her hand, carried it off to a tall tree, where he devoured it in triumph.

Poor little Pansy!

"Never mind," said she, bravely; "the milk will be enough for my dinner," and she trudged patiently on.

She had not gone many steps farther before she saw a luge serpent gliding along the ground at her feet. He raised his head, and gazed at her beseechingly. "What is the matter?" said little Pansy. "Surely you don't want to eat me. I can't stop to talk to you, because my poor mother is ill."

The serpent raised itself, and laid its head on the arm that carried the can of milk.

Pansy felt her heart sink within her.

Pansy felt her heart sink within her. It could not be that he wanted her milk,

she was so hungry.

But she could not resist the serpent's pleading looks; so she opened the can, and he instantly began to drink up the

"I cannot wait for you to drink it all," said Pansy, in distress; "please, good Mr. Serpent, don't take any more." But as he did not move, she laid the can on the ground, and hurried on.
"Never mind," said she to herself.
"I must be almost out of the wood, and the poor serpent was very hungry."

"I must be almost out of the wood, and the poor serpent was very hungry." Pansy had now been walking for sev-eral hours, and she felt weary and faint; but she tried not to think of herself, and, folding her hands on her breast, prayed' that her dear mother might soon be made

A fustling among the trees made her look around, and she spied a little lame hare trying to escape from a fox that

You naughty fellow!" cried Pansy "Come to me, pretty hare, and I will

She held out her arms, the hare jumped lighty into them, and she went on her way. The hare lay very still, glancing at her with loving eyes; but it was a heavy load for the little arms that were so weary already.

By and by, Pansy spied an opening through the trees, and then she knew that she had almost reached the end of the wood. Her little, bruised feet ached with fatigue, and the eyelids drooped over her beautiful golden eyes, but she pressed bravely on, and at last stepped out into the sunlight, a pale, weary, little figure, with the hare in her arms.

But, wonderful to tell, the hare, jumping from her hold, changed into a beau-

from her hold, changed into a beau-

"Darling little maiden," said she,
"but for your aid in bringing me back
to the sunlight, I might have been doomed
to remain forever in enchantment. Tell to remain forever in enchantment. Tell me how I can reward you. What do you most wish for?"
"Make my poor, sick mother well again," implored the child, while eager tears stood in her lovely eyes.
"Alas!" answered the spirit, sadly; "dear child, your mother is already dead."

dead."
"Then let me go to her," said Pansy,

Something's Happened---Something's Killed

Sounds Strange, Is Strange, But Listen—Best Thing Ever Happened—Hundred Years Coming—So Startling Won't Believe At First—Say It's Impossible—Miracles Don't Happen Now, But How's This—FOR WOMEN'S Sake!

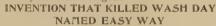
There's No More Wash Day! GLORY HALLELUJAH -- IT'S DEAD DON'T Exist -- Wiped Out Entirely

THE world's watched for the man to cut wash day in two. He livestaken more than half-left only minutes-cut so much wash day's all over, changed-there's new way cleaning clothes-different from anything known -new principles, ideas, methods, NEW EVERYTHING. Wonderful, but true, family washing cleaned with no more work than getting a simple meal, less time—no rubbing, squeezing, pounding, packing, pressing, no injury, no drudgery—that's past.

GOOD-BYE WASH BOARDS, WASHING MACHINES, LAUNDRIES

—throw them away—the EASY WAY is here to bless humanity. Women have prayed for death of wash dayfor clean clothes without rubbingruining health, looks-when they could wash, get dinner, see friends, indulge in recreation without fatigue-when

women thought no more of washing clothes than to get a simple meal. That glorious day has come. The world's full of wash boards, so-called washing machines, yet wash day same as everstill long dreary day-no easier, no shorter, no better. Use wash board or washing machine, it's drudgery, long hours, hard workbackache—a day no woman forgets.



—name tells whole story —easy on clothes—easy used—kept clean handled-easy on women-makes washing easy-easy to buy and

way it gets dirt—has awful appetite for dirt—increases more it gets—goes after all the dirt in all the clothes at same time—little, but mighty—silent, but powerful—uses no spirits, yet works in darkness. OPERATED ON STOVE occasionally—that's all-scarcely anything to do but

wait between batches-child can do it. All iron and steel-always ready-sets away on shelf. Entirely unlike old methods. Verily, wash day is dead-EASY WAY settled that-

WOMAN'S JOY, SATISFACTION, THEIR GOD-SEND. Less than an hour eleans washing which before took all daycleans all clothes, finest laces, curtains, etc., in about one-tenth time without rubbing, squeezing, packing, pressing-without chem-

icals to injure goods. Saves 52 days drudgery yearlymakes woman's hardest work easiest household dutysaves clothes, labor, fuel, health, looks. Surprises all -sounds strange, is strange, but listen, it's no experiment, going on daily. You can do it. **EXPERT TESTIMONY**

J. McGee, Tenn., writes;—"One young lady cleaned day's washing by old method in one hour with EASY WAY. Another in 45 minutes. Everything as clean as it could be,"
D. W. McMillan, Mo., writes;—"Ship 12 Easy Ways. My wife had two weeks' washing. Done it all in 2 hours and 12 minutes. Also done two weeks' washing for neighbor.

Also done two weeks' washing for neighbor in 3 hours and one-half. Can hardly believe my eyes how easy it does the work. Washing for my neighbors. Sold 4 out of 5."

EASY WAY WASHES WOOLEN

BED BLANKET IN 3 MINUTES

Anna Morgan, Ill., writes:—"I washed a woolen bed blanket in Easy Way to-day in just 3 minutes, perfectly clean and ready for

E. Cramer, Tex., writes:—"Received Easy Way. Gave it a thorough trial. After ten minutes clothes nice and clean. Satisfactory

in every respect."

J. H. Barrett, Ark., after ordering 38 Easy Ways, says:—I don't understand why it does the work, but it does. You have the grandest invention ever heard of."

J. W. Myers, Ga., says:—"Find check to cover one dozen Easy Ways. Easy Way greatest invention for womanhood, forever abolishing miserable wash day.
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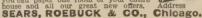
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"What! leave the beautiful world, and |

the sunshine, and sweet flowers?"
"Tell me," questioned the child, earnestly; "now that my mother is dead, will not the great world be like the dark wood—hard to walk in, where they will take away my crust, and leave me to die of hunger and weariness?"

The spirit held out her beautiful arms and, gazing with compassion at the lonely, tired child, said:

"Little Pansy, you have earned your remeat."

"Little Pansy, you have earned your reward."
So the little maiden sank to rest on the kind spirit's bosom, and the next morning a lovely flower, with golden eyes, waved gently to and fro in the breeze at the entrance of the wood.

The children separated in rather solemn mood after Aunt Hester had finished reading; but Louise found an opportunity to tell Joe how much she thanked him for letting her have his turn.

He blushed, and ran his fingers through his thick hair.

"I would do anything to please you,

"I would do anything to please you, Louise," he muttered, under his breath, and was out of the house in a trice.

Geese With Brains

Quick to Learn

A farmer would scarcely believe that a goose requires only about sixty hours in order to prepare it for the footlights and a critical audience, and that a common pig, which has been bought in the market, will in thirty hours be competent to blossom forth as an actor.

According to Clyde Powers, a trainer of wide experience and much patience, it takes a duck about three days to learn how to march on the stage, to follow the chorus; and to march off again at the proper time; it takes a chicken a week or more, and a turkey cannot grasp the art of acting in less than six months' time.

Mr. Powers has tried to train a pea fowl but he finds that it is impossible. A goose is the most intelligent of all the feathered tribe, and a goose is also the only domestic fowl that shows affection.

Animals are always entertaining, and so much in demand are they by managers, that every vaudeville theatre in America books for its programme at least one animal act, and often two every week. A good animal troupe is contracted for many months ahead, and its owners and trainers receive salaries far exceeding those of the average troupe of vaudeville performers of the human species.

"During a visit to a dress rehearsal at the Hippodrome, says a writer in Leslie's Weekly, three or four cub bears were being schooled in the art of standing on their heads, in driving an auto, or at least appearing to do so, and last but not least—for it amuses an audience greatly—to drink out of bottles.

To teach them this last act is not very difficult if the bottles are filled with sweetened water; in fact, the difficulty comes in preventing the cubs from stealing these bottles and rehearsing before it is time, so foud are they of this particular form of acting. acting.

acting.

Bears are decidedly humorous, and while they know perfectly well what they are doing, they often do a trick the wrong way; apparently just for the humor of the thing and they seem to enjoy the scolding, which with baby bears is seldom accompanied by punishment. The trainer's pockets are usually bulging with sugar, and the cubs are given a taste every time they obey orders and go through a trick with willingness. If a bear is good tempered and of adaptable disposition, a new trick can be mastered in about four new trick can be mastered in about four

Why Not Buy Some Guineas?

In buying new poultry stock this fall, don't overlook the fact that guinea fowls are both profitable and useful. For table use they have few superiors and their flesh has almost the some flavor as a prairie chickeu. While their eggs are small, they have a delightful flavor and will find a ready sale. They are also valuable as guardians of the poultry house. At the slightest approach of danger they will set up a cry that will either frighten the intruder or bring help from the farm house.

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or throat. This book gives the causes and
symptoms of each disease. It tells you not
only how to cure these diseases, but how to
prevent blindness and deafness

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128 PAGE

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A Fishing Episode

(Continued from page 5)

"I guess the spider'll probably hang together, if the handle hain't knocked off by that last little jolt," said Jacob.

Jacob turned Duster's head so that the storm could not beat full in his face, then he climbed to the seat beside Liza and waited for the storm to cheek. For then he climbed to the seat beside Liza and waited for the storm to abate. For over an hour the lightning flashed, the thunder pealed and the rain poured. Then the storm seemed to resolve itself into a steady, moderate rain. The darkness continued so intense that Jacob did not dare to drive, and still they waited.

"I guess Noah hain't got much the start of us this trip," Jacob commented, when all hope of a break in the steady downpour seemed vain. "Ef a feller had to stand this fer forty days an' nights, he would be so cross he wouldn't care ef the whole world did drown, I reckon."

"Can't we drive on a ways now, instead of makin' fun of our betters," said Liza testily, for her temper was being subjected to a severe strain.

"I think we'll hev to be goin', fer we can't stay here all night, but I don't dare to risk all of our necks by drivin' from this seat. I've got ter git out an' lead Duster. It's my turn ter git wet now."

lead Duster. It's my turn ter git wet now."

Liza raised a vigorous protest, but Jacob was determined, and in spite of the splashing rain, he climbed down, straightened Duster around in the road and started on.

Their progress was necessarily slow. Jacob was wet to the skin, as his coat and vest were gone and his other clothing was rather thin. At last, away down on the westward horizon, appeared a rift in the clouds and a star glimmered through. Then another and another appeared, and soon the clouds rolled away and the rain ceased. Jacob clambered stiffly into the wagon, cold and shivering. Liza drew the dry blanket from the seat and wrapped it around him. Duster quickened his pace and the distance of about three miles was soon traversed. As they neared their home, they were amazed to catch a gleam of light from its windows.

"Now, what does that mean? Ye don't suppose the house is after from the light."

"Now, what does that mean? Ye don't suppose the house is afire from the light-nin' do ye?" questioned Liza.
"I don't think that can be, after all the water that's jest been poured over it. Maybe it's Jim Snyder, I give him the key to go down cellar an' strain the milk."

the milk."

As they drove into the yard, a queer, uncanny feeling came over them. "Jake," you unhitch Duster and tie him in the barn and go in with me."

Jacob laughed. "Ye don't think its hants in the house, do ye? But ye jest wait, I'll go with ye."

wait, I'll go with ye.''

He removed Duster from the wagon and fastened him in his stall, then hurried back to help Liza get down to the ground and together they went into the house. When they had opened the door, it seemed to their dazed and distorted vision that before them was an almost countless throng. In reality, there were about thirty people in the two rooms. The men, many of them, wore on their coats the brass buttons of the G. A. R. As Liza and Jacob stood spellbound; a gray haired gentleman of military bearing stepped forward with much the same embarrassed air as the unlucky man who is called upon to present the rocking chair at an anniversary surprise party. It was evident that he was expected to explain the situation to the bewildered couple. He cleared his throat, blushed, stammered and finally said:

"Mr. and Mrs. Witherbee, we, your the same the room of the same there are the room of the same than the same coursely said."

blushed, stammered and finally said:

"Mr. and Mrs. Witherbee, we, your neighbors and comrades, are here to bring you some good news. This news would have reached you in due time, through Uncle Sam's mail, but we wanted to share the joy with you. When we came, we expected you would return earlier, but we have stayed it through and here we are. It is a good many years since you made application for a pension, and I am sure you had given up all hope of receiving anything at the hands of our government. We have, however, through the efforts of the members of the Post and the co-operation of our congressman, succeeded in having your disability removed, and a pension of twelve dollars a month and eleven

hundred dollars back pension has been granted you. Here are the papers,"

The tone and manner of the speaker were such as you would expect an officer to assume in reading the death warrant to a prisoner, and the words seemed to congeal the heart's blood of Jacob and Liza, and as he handed two official looking envelopes to Jacob, he tock them mechanically, and stood as though turned to stone. Jim Snyder sought to arouse him by inquiring in a bantering way if they had found the fishing good and if Duster and the ice cream wagon had dissolved, but speech and motion seemed alike denied him.

The assembled neighbors had not ex-

alike denied him.

The assembled neighbors had not expected that the surprise would be quite so overpowering to this good couple and, when they found that they were utterly unnerved, they wisely concluded that it would be better to leave them alone to collect their scattered senses, so one by one they filed by them and gave each a hearty shake of the hand, then they passed out into the damp, fragrant, starlit night. lit night.

passed out into the damp, hagrant, starlit night.

When the last one had gone, Jacob and
Liza looked into each other's faces, and
for the first time seemed to sense their
good fortune. Liza sank into a chair
and Jacob dropped to his knees before
her. He buried his face in her apron
and cried like a schoolboy. Liza's tears
trickled down her cheeks and dropped
upon Jacob's iron gray hair, but there
was no bitterness in those tears. They
were tears of joy and thanksgiving. The
cat came in through the open door and
rubbed against Jacob's wet trousers, purring softly. The old clock on the mantel
slowly chimed forth twelve. Another
day was beginning. A glad and happy
day for Jacob and Liza Witherbee.

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troubles where caused by weaknesses peculiar to our sex.

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As it Would be Told at Home.

As it Would be Told at Home.

You may well rejoice my wife, over our good fortune in getting for almost nothing a business which made money the very first day and has grown better all along until now after a few weeks the daily profits run from \$8,000 \times \$10.00\$. You have just counted today's receipts and seem surprised that they amount to \$15.00 plus some cents, but I have good reason to expect even larger returns as time goes on. Of that \$15.00 you must take out about \$3.00 for cost of material and the \$12.00 remaining is profit. So business gets better as it gets older. I need have no worry about the future, because there remains many dollars' worth of unfinished work upon which I can calculate as in the past about 75c profit on the dollar and more orders coming in all the time. My trouble has not been the want of orders, but facilities to fill orders as fast as my many customers would like, and to make matters better have engaged a boy to help in the shop, including an extra solicitor.

It has kept me hustling this far to take care of family customers whose orders range from \$2.00 to \$10.00, but increased facilities will enable me to get business in even larger quantities from hetels, restaurants and public institutions, manufacturers and retail stores, there being scarcely any person in business or out who does not at all times have urgent need for my services. I never thought it possible to

START A PROSPEROUS BUSINESS

fact, we can both recall with sad regret the days in fact, we can both recall with sad regret the days in o work—no wages—debts piling up—nearly veryone and everything combined to keep me town. Then my siege of sickness—no work—laid p—laid off -almost laid away—nothing coming in extenses going on—doctor bills and what not trouble, trouble, but that's the common radship of every man who sells his time to others—hard work—long hours—little pay—enriching on with the people did not have but wanted awful bad—never had before—fit's a regular business in some large cities, but jurt as well suited to town and country places as my own success proved. My success has not been due to influence, business training, special schooling or technical knowledge, but to human endeavor, faithful work and earnest purpose. Had I failed to make good in this opportantly in the control of the provided have been an ever lasting cause for self verywhere—from factory hand to office clerk—techning school or selling goods—fown and city

trades—now and then the farm—we find ourselves in prosperous circumstances, owning a pleasant business which promises to pay from

\$1800 TO \$2500 ANNUALLY.

Goodness knows, we might still be slaving for a bare existence if this opportunity hadn't come as a God-send, but we know too well the need of money to get foolish or spoiled by sudden prosperaty. I am happy to think that our days of self-denial and privations are over, that you and the children can have many things in the future which you craved but alas! didn't have the money to buy. You can dress better, visit more, work less, buy new things for the house and give the children a better education. What a blessing it is to have money coming in all the time, and how different the people treat a successful man.

It's really wonderful how people took to my business from the very start, just seemed that everyone had something for me to do-eager to have it done—a cordial welcome everywhere and people came from miles around—

GOODS WERE GOING OUT-MONEY COMING IN-

almost a dollar cleared every time a dollar taken in. You remember my starting here at home—set off one room which was soon filled with a great assortment of merchandise—some gold, some sliver—big and little heaps—how things glistened when the sun came through—then the change to larger quarters owing to increased business with profits growing. It did my heart good to receive such generous encouragement from the people everywhere, for I can't forget my ups and downs—hard knocks—never a boost until this thing happened.

The people certainly looked kindly upon home industry, and because my bu mess was conducted there in their very midst a feeling of confidence was immediately established. My work has always been well done and I do not fear to meet the same customer twice even ten years from now. I have never been the kind to deceive anyone and would not care to bring that disgrace upon my children even though success was the reward.

Yes, people do wonder at my sudden rise in the world, but there is nothing remarkable in my per-

who not only suggested the opportunity but furnished at slight cost everything needed to start the business, including special teaching, valuable instructions and trade secrets and did this so well that my ignorance of the business itself was no drawback at all. Quite a few people from other sections have already written them on my recommendation, for they

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to begin with and more than that as their business grows. I feel sure and believe that you, my wife, also believe that no one will ever regret the day they started with Gray & Co., for they are the largest concern of their kind in the world and are bucked by \$100,000,00 capital. It's well that you should know these things as I do, so as to answer inquiries intelligently when visiting friends out side of my territory.

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From Cattle Ranch to College

(Continued from page 8)

for unlike most of his fellows he looked |

before he leaped.

Tenderfoot and the two boys had struck Tenderfoot and the two boys had struck up quite a friendship. It was quite natural, therefore, knowing as he did the Worths' plans, for him to say one day, towards the end of the winter: "Do you suppose, John, that your dad would take me along on his mining expedition?" "I dunno," said John, "you'll have to ask the governor when he comes back. I guess he would."

"You see," continued Tenderfoot.

I guess he would."
"You see," continued Tenderfoot,
"I'm about as tired of this place as you are, and I want to see a little of the country. I guess I could earn my salt as a mule-wrangler anyway."
So it was decided that the young East-

erner was to go with the Worths if the head of the house consented.

The dreary winter was beginning to give way to the soft south winds. The give way to the soft south winds. The snow was fast disappearing and buffalo grass was showing brightly green here and there. The boys had an unusually bad attack of spring fever, for the long-looked-for time of the pilgrimage was drawing near.

drawing near.

Their father might be expected any day, and then—their delight and anticipation could not be put into words.

Mr. Worth at length came in, loaded down with his pack, his arms, and his heavy winter furs.

Keen and bitter disappointment was in store for the impatient boys. They were told that it would not be safe to move away from the town, for the whole country was full of hostile, well-armed, wellfed Sioux.

ried Sioux.

The Black Hills of south-western Dakota had been found to contain gold in paying quantities. This region was considered almost sacred by the Indians and jealously guarded. It was now aggressively penetrated by the bold miners, and this naturally created much bad feeling between them and the original owners. In order to allay this feeling the Government made a treaty with the Indians by which it was agreed, that the encroaching miners should be driven out. The disregarding of this treaty or its ineffective enforcement roused the Sioux to open warfare.

effective enforcement roused the Sioux to open warfare.

The tribes were collecting under the leadership of Sitting Bull and Rain-inthe-Face. Several small skirmishes had been fought and numbers of men on both sides had been killed. Small outfits, too, had been wiped out completely by the savage red foe.

It would have been suicidal, therefore, for the Worth family to venture within the enemy's country, as had been previously planned.

the enemy's country, as had been previously planned.
Indeed, while there was probably little danger of an attack at this time on Bismarck; the center of hostilities being many hundred miles to the westward, great precautions were taken even there every night to guard against surprise, and the prople, especially the children, never went far afield.

The spring passed and protect as were also

The spring passed and another summer's The spring passed and another summer's scorcling heat began. Occasionally accounts came in of battles fought and victories won, sometimes by one side, sometimes by the other. It was a time of uncertainty; business enterprise was at a standstill, and, since there was little to do in the frontier town, diversion of any kind was hailed with delight. So the Fourth of July celebration that was to be held at Black Jack's dance hall was looked forward to with great expectations by old and young.

be held at Black Jack's dance hall was looked forward to with great expectations by old and young.

Independence Day at length arrived, and was greeted at the first showing of light in the east by a volley of revolver shots. The celebration was kept up with enthusiasm all day. Tenderfoot made a patriotic speech that took the crowd by storm—he was no tenderfoot in that line, for his college debating society experience served him in good stead.

At sundown the guests began to arrive at Black Jack's, and before an hour had passed the ball was in full swing. It could hardly be called a fashionable assemblage: the men, of whom there were three or four to every woman, were dressed much as usual, spurs and all, except that in compliance with the request placarded prominently, their "guns" were laid aside.

A single fiddler served for an orchestra, and also acted as master of ceremonies, calling out the figures of the dances.

The violin was squeaking merrily and the feet of the dancers thumped the rough boards vigorously, while the lamp lights silhouetted the uncouth figures as they passed between them and the open window.

John and Ben, who were watching from the outer darkness, were suddenly startled

the outer darkness, were saddenly started by hearing the long, deep whistle of the little steamboat.

"What's that?" exclaimed Ben.
"Sounds like the Willo" the Wisp, but she hasn't been along the river for a long

"Let's go and see," said John. "Must be something doing to bring her down at this time."

at this time."

The two boys mounted their horses, which stood already saddled, and galloped down to the landing. In a few minutes the boat steamed up out of the darkness, slowed down and made fast to a cotton-wood stump.

slowed down and made fast to a cotton-wood stump.

Hardly had it come to a stop when a man made a running leap to the platform and dashed toward the boys, who were the only persons at the place.

"Where's all the people?" he cried excitedly. "Let me take that horse a minute, sonny."

"Up at Black Jack's," said John, sliding off Baldy's back without delay, for it was evident that the newcomer brought important news.

it was evident that the newcomer brought important news.

The stranger mounted and set off at a hard gallop for Main Street. Reaching the brightly lighted place, he jumped off and stumbled through the doorway into the center of the room.

The fiddler stopped in the middle of a bar, the dancers, who were in the full swing of "all hands around," stood still in wonder, and every eye was fixed upon the intruder. He looked like the bearer of bad news.

His clothes showed that he had traveled far and fast, and his manner evidenced anything but peace of mind. For an instant all was still. Then Black Jack broke the silence: "Speak out, man! What's up?"

"I've been traveling two days and nights to bring the news," he panted. "Custer—" he paused for breath.

"Well, hurry up, will you!" exclaimed Mackenzie, shaking his arm.

"Custer and his men have been wiped out by the Indians on the Little Big Horn!" His clothes showed that he had tra-

CONTINUED IN MARCH ISSUE

A Cement House

A Cement House

One of the most useful outhouses I have seen lately is one constructed from top to bottom from gravel and cement. It is eight by ten feet on the inside, with a ten-foot ceiling. The floor is cemented and is four feet below the surface of the earth. The walls of the building are a foot thick, with nearly two inches of air space running along the center of them. It was constructed in the following manner: After the excavation was made, two-by-four oak pieces were set to each side and the ends so that when boards were nailed to them space was formed for bottom layer of cement. When this was put in planks were nailed above these for another course, This plan was followed until the building was the desired height. Then an oval roof was constructed from oak boards with circular rafters resting on the top layer of cement. On this, at the proper time, was placed a cement roof. The roof rested on the framework until dry, then the framework was permitted to remain to strengthen the roof. The door facing is held in place by bolts laid in cement and projecting through its sides. The doors when hung will be double on the outside, packen in between with sawdust. The inner door will be light. The house will be fitted up with a stove and grates and used for a fruit dryer in the fall. In the winter it will be used to store fruit and vegetables in. There is no drain, but a large stone jar was set in the cement in one corner of the building and the floor made to incline toward it. and the floor made to incline toward it.

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Buell Hampton

"Yes," replied Horton, "the wounds are all healed, but the scars are left. Hello! there comes Bill Kinneman, one of my most trust-worthy cowboys. Hello, Bill, what's the news?"

Bill Kinneman was short and stoopshouldered. He had a low forehead, thick, black hair, cut square around, a small nose, a protruding chin, and a scraggy beard. A pair of squinting, bloodshot eyes combined with his other facial make-up to give him the appearance of a brute.

"Oh, nothin' much to tell," replied Bill. "I foller'd 'em five days, an' they clean got away from me."

"Couldn't you pick up their trail?"

"Yass, we found whure they crossed the Cimarron down in the Strip."

"Well, why didn't you follow them?" asked Horton, impatiently.

"We foller'd 'em as fur as we could, but somehow we wuz jist strugglin' round in the coils uv error, for we dun lost the trail—we did fur sure."

"Well, Bill I am disgusted with you," said Mr. Horton. "I used to think you were a nervy fellow and sleuth-hound to track down a thief, but of late you always disappoint me."

"I know I'm a pore cuss, but don't unbosom yourself too malignant agin me. Don't be too hard on me, Mr. Horton. I wouldn't wonder a mite if he'd overtake 'em,'" said Kinneman.

"Who the devil do you mean?"

wouldn't wonder a mite if he'd overtake 'em," said Kinneman.

"Who the devil do you mean?" asked Horton angrily.

"Major Hampton; he's quite a stayer. He's at least a mighty sight thet ere way. He'll whup the hull danged outfit if he comes up with 'em, thet's what he'll do. A shootin' is likely to ensoo if he finds the thieves. Anyway, suthin' mighty thrillin' will occur on the landscape there abouts, fur the major will sure 'nuff use his artillery."

"Where did you see the major?"

"Way down on the Cimarron, below the red bluffs, jist whure I turned back. I was assoomin' you'd want me to come an' make a report. The major sent word to ye thet he was purposin' to foller 'em, an' he'd go clar to the Missoury if he hadd to."

"All right Bill. You may go on to

had to."
"All right, Bill. You may go on to

The cowboy touched his spurs to the jaded bronco and galloped away up the

"Major Hampton," said Horton, turn-ing to Hugh, "has good blood in him. I have an impression that he will overtake

the thieves."
Soon after this Hugh took leave of Mr. Horton, who gave him a pressing invita-tion to call at his ranch. Hugh ac-cepted this invitation by promising to visit Mr. Horton at no distant day.

CHAPTER VIII

A COMMITTEE OF FIVE

The Barley Hullers' Association a secret society made up principally of tried and true members of the Farmers' tried and true members of the Farmers' Alliance. It had been founded by Maj. Buell Hampton, who was district organizer of the Farmers' Alliance in southwestern Kansas. It was said that the primary incentive of the farmers thus associating themselves together was to prevent the excessive prices which they were compelled to pay for articles purchased, and to raise the ruling prices which they had been forced to accept for the products of their farms.

the products of their farms.

About a mile northeast of Meade, in an old deserted building that had formerly been used as a sugar mill. were

"Yes," replied Horton, "the wounds re all healed, but the scars are left. tion. This dilapidated building was provided with a spacious reception-room, an anteroom, and a hall of deliberation and was indifferently illuminated throughout with green and red lights.

and was indifferently illuminated through-out with green and red lights.

The written work of the order was said to be very literary in tone and was based upon the great principle that in union there is strength. Its professed object was to exact justice from the con-tending forces of the commercial world. Indeed, it was an organization founded on the principles of the brotherhood of man and of fair dealing toward all classes.

classes.
Maj. Buell Hampton enjoyed, perhaps, a pardonable pride in this organization, which was strictly a child of his own making. The members had passwords, grips, and everything of that sort, whereby one brother Barley Huller might the light. It was a custom, among the members of the organization, to turn out in force on the Fourth of July and other

in force on the Fourth of July and other holidays. On such occasions they paraded the streets to the tat-tat-too music of a snare drum and the shrill whistle of a fife. Their badge was a cluster of barleyheads, worn as a boulonniere.

When crops were good the Farmers' Alliance organization usually languished, but when they were poor a marked revival invariably sprang up. It was the highest ambition of the young farmer who was a member of the local Farmers' Alliance to show, by his zealous work and adherence to the principles of that organization, that he was worthy and eligible to membership in the Barley Hullers. Hullers.

There was a system of procedure in these secret meetings which gave a bet-ter idea of the aims and accomplishments these secret meetings which gave a better idea of the aims and accomplishments of the order than anything disclosed in its written by-laws or professions of faith. At these secret meetings one might find two or three dozen stalwart farmers seated on broken chairs and benches, while their chief presided. The exercises consisted of a general exchange of confidences, which were usually made in speeches intended for the general good of the order.

A few evenings after Hugh had made the acquaintance of John Horton, the Barley Hullers had a meeting, at which Bill Kinneman, a prominent yet rather inflammable member, was present. Several members made spirited speeches and finally Kinneman got the floor.

"Mr. President," said he, "I'm no corn-field sailor ner exhortin' evangelist, but I'm 'lowin' if anybody crosses my trail, why, we'll jist try a tussle an' see who's locoed fust. Fur the las' ten years I've bin ridin' the range, workin' like a nigger fur other people, an' durin' all this time I hev never hed a single ray uv hope 'till I jined the Barley Hullers.''

The twenty-five or thirty members sitting around cheered him lustily at this

Hullers."

The twenty-five or thirty members sitting around cheered him lustily at this convincing confession.

Bill continued: "There's a lot uv us laborin' fellers thet hasn't hed no privileges up to the present time, an' now we air proposin' to hev a little fairer divide. Fur my part, I'm tired uv bankers, cattle kings, middlemen, an' all the other blood-suckers who air feastin' in luxury on our hard labor."

"Hear! hear!" shouted the crowd. Thus encouraged, Kinneman continued: "Speakin' wide open and onrestrained

thus encouraged, Kinheman continued:

"Speakin' wide open and onrestrained like, I want to say it's mighty nigh time we wuz provin' a man's better 'n money. It's time our brotherhood wuz banded together tighter 'v ever av' thet we stop

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bein' slaves fur these 'ere money kings bein' slaves fur these 'ere money kings who hev got their iron heels on our necks an' air grindin' us down in the dust like as we wuz a pack of Russian serfs. We ask fur bread an' they giv' us a stun; we ask fur meat an' they give us a serpent, an' by an' by we'll hev to ask permission to breathe the pure air uv heaven, as we take a gallop across the range.'' the range."
Wild huzzas and more hand-clapping

greeted this, and the speaker continued:
"I'm liable to git hostile in the extreme an' somebody's goin' to git hurt on this 'ere range afore long onless a change sets in. The question is, heven't us workin' fellers got to thet pint uv n't us workin' fellers got to thet pint uv life whure money is more respected than the genuine pure artickle uv manhood? Thet's the question, feller citizens, fur us to settle. Pussonally I'm feelin' a heap careless."

Cries of "Good!" "That's right!" "Come again!" were heard on every side.

"Come again!" were heard on every side.

"Let's us," continued Kinneman, "take our cue from these 'ere money fellers. Ev'ry cussed one uv 'em is in a pool or a trust uv some kind an' hang together jist like so many cockle-burrs, an' we, my br'thers, mus' do the same. We're the fellers thet's workin' like dogs an' they're the fellers thet's hevin' all the big dinners. Now, I say, is the time to stop. It's no longer a question uv capital an' labor, it's a question uv capital an' labor, it's a question uv life an' jestice on one side an' death an' injestice on t'other. There's liable to be a select assortment uv guns doin' onusual permiscus work in these 'ere diggins if some people don't guit

assoomin' sooperior airs over us laborin' men. My doctrine is to hustle an' git what b'longs to us, peace'ble if we can; if not, git it anyway.''
"That's right!" "Now you're talking!" was heard from the open-mouthed and iter.

auditors.

auditors.

"Now, gen'lemen," concluded Kinneman, "I don't b'lieve in a feller screechin' round too much. Talk's mighty cheap. I b'lieve in bein' plenty p'lite; same time I want to be doin' suthin'. An election is clus to hand, an' the fellers thet git the support uv the Barley Hullers in this 'ere county air dead sure to be elected, and I onbosom myself enuff to say that they've got to pay fur it an' pay fur it hau'some, an' no misunderstandin', an' don't yer furgit it, n'—''

no misunderstandin', an' don't yer furgit it, n'-''
"Hold on!" "Hold on!" cried several voices. "We must not go into politics." "Major Buell Hampton," said one member, "has expressly provided that politics shall not be mixed up in this organization. Now, while I am with Brother Kinneman in much that he has said, yet I draw the line on violating any of the rules of the order."

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union there was sufficient strength to accomplish all the aims in a peaceful and friendly manner.

Soon after the meeting broke up, the lodge-room became a lobby, thick with smoke from numerous pipes. Kinneman was praised on every hand for his fiery speech. A little later the farmers wended their way in different directions toward their respective homes, while Kinneman and his four associates skulked back into the old mill building, and sought the privacy of the room of deliberations, taking special care that the window curtains were well drawn.

"You mighty nigh upset our game, Brother Bill," said Dan Spencer.

"Well, I 'poligize. I clar furgot myself, sure," replied Kinneman, goodnaturedly. "Now, if it's agreed, I'll act as chairman, an' we'll state briefly the objec' of this 'ere conference. You fellers nachally know thet most uv the Barley Hullers in the county air opposed to mixin' up in pol'tics 'cause Major Hampton has said they mustn't. Now, boys, I reckou us five fellers know er thing or two thet beats a bob-tail flush all holler. There's five offices to be filled in this 'ere county this fall. The Democrats hev nominated a man fur each office, an' the Republicans hev dun the same, an' so hev the Populists. Now, I ain't pluckin' brands from the burnin' fur nouthin', an' I move thet we be a committee—a committee uv five—to see each uv these candidates an' collect as much as we kin fur influencin' the Barley Hullers in this ere county. We've a secret society an' they don't know we aint 'lowed to mix up in politics, I hev a theery we can harvest each uv em fur a couple uv hundred, an thet would make a mighty neat 'jack-pot' to divide 'tween us five, an' make things kind er gay an' genial like.

"That's right," cried his associates. "I second the motion," said another, and soon it was agreed and carried that these five stalwart 'lights' of the Barley Hullers, who for self-aggrandizement were thus willing to bring reproach upon their society, should sally forth and secretly pounce upon the various political

CONTINUED IN MARCH ISSUE

Winter Duck Pond How to make it

Ducks require a place to swim in during the winter as well as in the summer. Naturally they would prefer a pond out of doors, but as that is impossible in freezing weather, the next best thing is to dig an excavation under a shed ample to accommodate your flock and about eighteen inches deep. The bottom and sides should be comented, with steps at eighteen inches deep. The bottom and sides should be cemented, with steps at one end. A pipe from the pump will furnish the water and a plug should be arranged in the bottom of the tank to provide a drain. The water ought to be changed every other day. Sufficient light can be furnished by putting one window in the roof, which should be slanting. A light fence erected near the pond will prevent the ducks going into the water except at such times as their owner desires. While this sort of a pond would be rather expensive for the average poultry raiser, it has been pronounced thoroughly practicable by men who own a considerably number of ducks.



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The Editor Tells You Today of an Ope portunity to Beautify Your Home Free of Charge

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pretty decorations in your house and as nice as any of your neighbors have.

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is proud.

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"SAVED"—Beautiful free picture.

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big black type, "Here is the Offer." I
can guarantee you that Mr. Clark's
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proud that he has selected the readers
of this paper, and shows his confidence
in the honesty of my subscribers in
making this offer here.

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Two Pictures Free Anyway
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